

ARIZONA

MOTOR VEHICLE CRASH FACTS

2004



2004 Motor Vehicle Crash Facts for the State of Arizona

*Prepared by the:
Arizona Department of Transportation
Motor Vehicle Division*



This publication is an annual statistical review of the motor vehicle crashes in the State of Arizona for calendar year 2004. The results are compiled from Arizona Traffic Accident Reports submitted to the Arizona Department of Transportation by state, county, city, tribal, and other law enforcement agencies. Specific inquiries regarding the data in this report or requests for additional copies should be directed to:

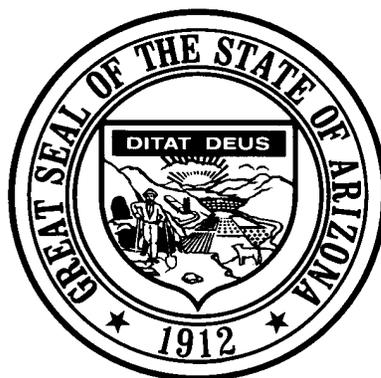
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In order to provide the most current information, preliminary data is utilized when necessary. For this reason, previous or future reports may differ slightly and we encourage you to refer to the latest issue of Motor Vehicle Crash Facts.

This issue as well as previous issues of this publication may be viewed and downloaded from ADOT's Web Site at:
<http://www.azdot.gov/mvd/Statistics/crash/index.asp>

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OVERVIEW

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Acknowledgements75

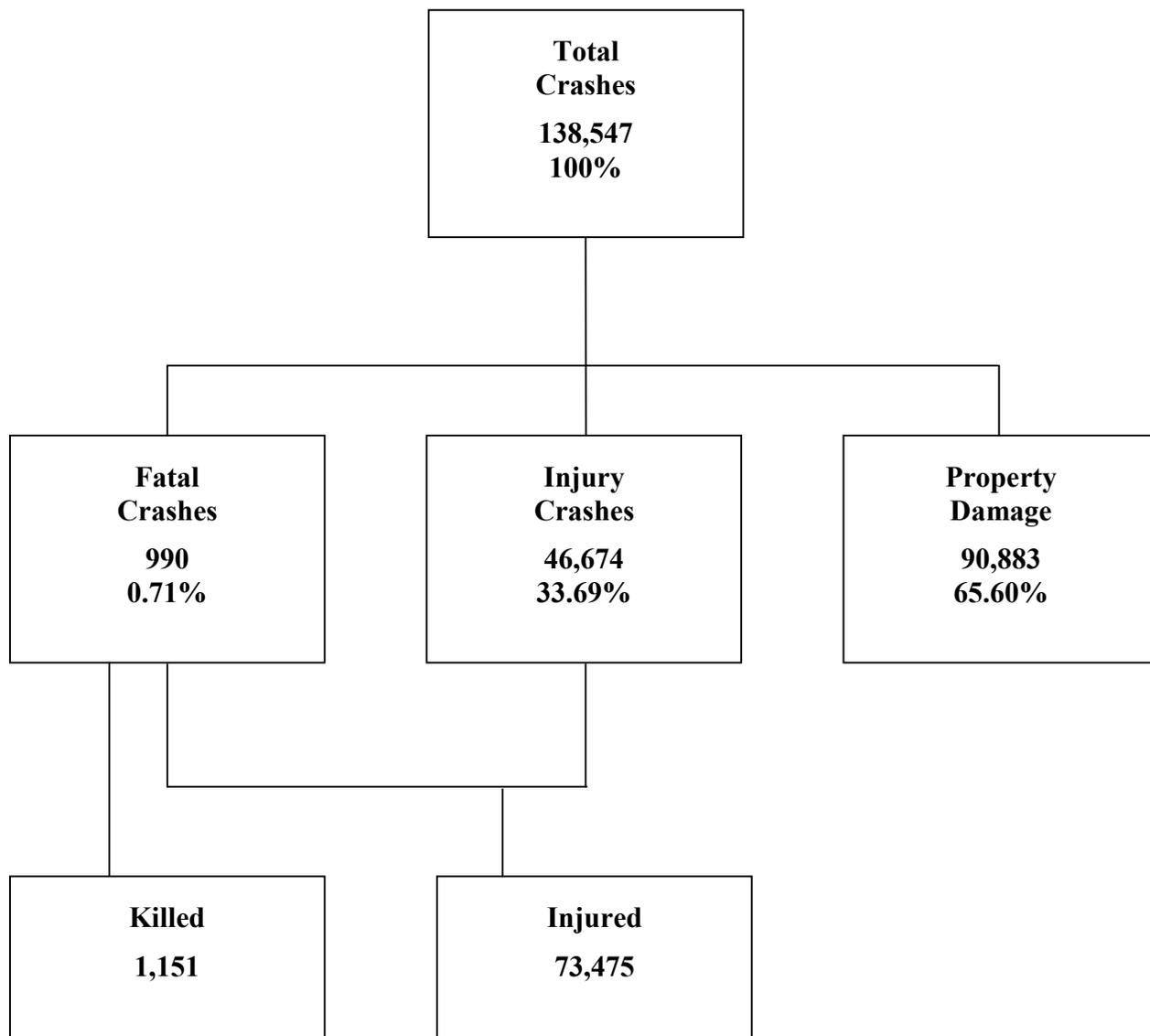
*Disclaimer: Please note that due to report parameters and primary criteria required, data results will vary for like categories.

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Section 1: – Highlights and Historical Trends

Table 1-1

Arizona Crash Facts

| Category | 2003 | 2004 | Pct Change |
|---|---------|---------|------------|
| Reported crashes | 130,895 | 138,547 | 5.85% |
| Total killed | 1,118 | 1,151 | 2.95% |
| Total injured | 71,901 | 73,475 | 2.19% |
| Pedestrians killed | 126 | 135 | 7.14% |
| Pedestrians injured | 1,528 | 1,570 | 2.75% |
| Motorcyclists killed | 111 | 119 | 7.21% |
| Motorcyclists injured | 2,098 | 2,457 | 17.11% |
| Pedalcyclists killed | 15 | 27 | 80.00% |
| Pedalcyclists injured | 1,617 | 1,705 | 5.44% |
| Millions of vehicle miles traveled (VMT) | 53,345 | 57,260 | 7.34% |
| Deaths per 100 million VMT | 2.1 | 2.01 | -4.29% |
| Injuries per 100 million VMT | 134.78 | 128.22 | -4.87% |

Arizona at a Glance – 2004

- Approximately **3.15** persons were killed each day.
- One person was killed every **7.62** hours.
- There were **201.16** persons injured every day.
- One person was injured every **7.16** minutes.
- Drinking drivers were involved in **5.78%** of all crashes.
- Drinking drivers were involved in **22.53%** of all fatalities.
- Over **79.38%** of all drinking drivers involved in crashes were males.
- Rural crashes accounted for **17.06%** of all crashes, and **2.20%** of all fatal crashes.
- Seventy one and two tenths percent (**71.2%**) of all crashes occurred during daylight.
- Motor vehicle crashes resulted in **\$3.3** billion in economic losses to Arizona.
- Fifty-four (**54**) children were killed and **6,510** children age **14** and younger were injured in motor vehicle crashes.

Section 1: – Highlights and Historical Trends

The Nation In 2004

The population of the United States was estimated at **293,656,842**.

Estimated vehicle miles traveled totaled **2,963 billion** miles.

There were an estimated **6,181,000** crashes.

An estimated **2,788,000** persons were injured.

An estimated **42,636** persons were killed in motor vehicle crashes in the United States.

Table 1-2

Arizona Licensed Drivers, Motor Vehicle Registration and Crash History

| Calendar Year | Total Crashes | Fatal Crashes | Injury Crashes | Property Damage Crashes | Total Persons Killed | Total Persons Injured | Total Licensed Drivers | Total Registered Vehicles |
|---------------|---------------|---------------|----------------|-------------------------|----------------------|-----------------------|------------------------|---------------------------|
| 2000 | 131,368 | 892 | 47,485 | 82,992 | 1,037 | 76,626 | 3,529,732 | 3,983,860 |
| 2001 | 131,899 | 944 | 46,234 | 84,726 | 1,057 | 74,110 | 3,550,766 | 4,037,359 |
| 2002 | 134,228 | 984 | 46,209 | 87,045 | 1,132 | 74,230 | 3,668,704 | 4,089,662 |
| 2003 | 130,895 | 971 | 45,177 | 84,747 | 1,118 | 71,901 | 3,819,823 | 4,193,262 |
| 2004 | 138,547 | 990 | 46,674 | 90,883 | 1,151 | 73,475 | 3,784,365 | 4,364,857 |

Table 1-3

Historical Trends – Arizona and the United States

| Calendar Year | U.S. Fatality Rate* | Arizona Fatality Rate* | Arizona Traffic Deaths | Estimated Motor Vehicle Miles Traveled* | AZ Fatal Crash Rate* |
|---------------|---------------------|------------------------|------------------------|---|----------------------|
| 2000 | 1.55 | 2.08 | 1,037 | 48,568 | 1.83 |
| 2001 | 1.50 | 2.08 | 1,057 | 50,861 | 1.84 |
| 2002 | 1.51 | 2.17 | 1,132 | 52,014 | 1.89 |
| 2003 | 1.50 | 2.10 | 1,118 | 53,345 | 1.83 |
| 2004 | 1.44 | 2.01 | 1,151 | 57,260 | 1.73 |

Vehicle miles traveled are shown in million miles and rates per 100 million miles

Due to refinements in the method used for the calculation of vehicle miles traveled and the use of preliminary data in some cases, the Arizona crash and fatality rates may differ slightly from previous reports. The most current data is always used at the time of publication, but it may change as new information is received.

On average, a police-reported motor vehicle crash occurred every 5 seconds, a person was injured every 11 seconds, and someone was killed every 12 minutes.

Statewide Economic Loss Due to Motor Vehicle Crashes

| | |
|----------------------|------------------------|
| Fatalities | \$1,300,630,000 |
| Injuries | 1,336,642,100 |
| Property Damage Only | 672,534,200 |
| TOTAL | \$3,309,806,300 |

Table 1-4

Estimated Economic Loss by County

| County | Cost of Traffic Crashes | | | |
|---------------|-------------------------|-------------------------|-----------------------|-------------------------|
| | Fatalities | Injuries | PDOs | Total |
| Apache | \$ 61,020,000 | \$ 10,480,400 | \$ 3,677,800 | \$ 75,178,200 |
| Cochise | \$ 59,890,000 | \$ 22,153,500 | \$ 11,270,200 | \$ 93,313,700 |
| Coconino | \$ 65,540,000 | \$ 38,409,400 | \$ 24,730,800 | \$ 128,680,200 |
| Gila | \$ 29,380,000 | \$ 12,188,700 | \$ 5,113,400 | \$ 46,682,100 |
| Graham | \$ 11,300,000 | \$ 3,139,300 | \$ 1,272,800 | \$ 15,712,100 |
| Greenlee | \$ - | \$ 540,700 | \$ 199,800 | \$ 740,500 |
| La Paz | \$ 31,640,000 | \$ 8,952,500 | \$ 2,886,000 | \$ 43,478,500 |
| Maricopa | \$ 517,540,000 | \$ 838,898,000 | \$ 439,863,400 | \$ 1,796,301,400 |
| Mohave | \$ 59,890,000 | \$ 44,958,000 | \$ 17,064,400 | \$ 121,912,400 |
| Navajo | \$ 59,890,000 | \$ 17,339,500 | \$ 7,363,000 | \$ 84,592,500 |
| Pima | \$ 166,110,000 | \$ 221,921,000 | \$ 103,518,600 | \$ 491,549,600 |
| Pinal | \$ 105,090,000 | \$ 43,065,000 | \$ 18,048,600 | \$ 166,203,600 |
| Santa Cruz | \$ 13,560,000 | \$ 4,603,300 | \$ 3,293,000 | \$ 21,456,300 |
| Yavapai | \$ 89,270,000 | \$ 38,081,400 | \$ 20,934,600 | \$ 148,286,000 |
| Yuma | \$ 30,510,000 | \$ 31,911,400 | \$ 13,297,800 | \$ 75,719,200 |
| Totals | \$ 1,300,630,000 | \$ 1,336,642,100 | \$ 672,534,200 | \$ 3,309,806,300 |

NOTE: Cost estimates are based on the 2004 National Safety Council estimates of the average cost of motor vehicle crashes, deaths and injuries. These costs are an estimate of wage and productivity losses, medical expenses, administrative expenses, motor vehicle damage, and employer costs. A description of the National Safety Council's current cost estimating procedures may be found in the Technical Appendix of *Injury Facts*[®]. Effective with the 1993 bulletin, the Council extensively revised its cost estimating procedures. New components were added, new benchmarks and inflation factors adopted, and a new discount rate of 4% was assumed. For this reason, the cost estimates shown here are not comparable to those published in earlier bulletins. Some further revisions were made for the 2004 bulletin.

| | | |
|----|---------------------------|-------------|
| 1. | Fatality | \$1,130,000 |
| 2. | Incapacitating Injury | 58,000 |
| 3. | Non-incapacitating Injury | 18,900 |
| 4. | Possible Injury | 10,700 |
| 5. | Property Damage Only | 7,400 |

Section 1: – Highlights and Historical Trends

Traffic Crashes in Arizona by Year

Figure 1-1 Total Crashes

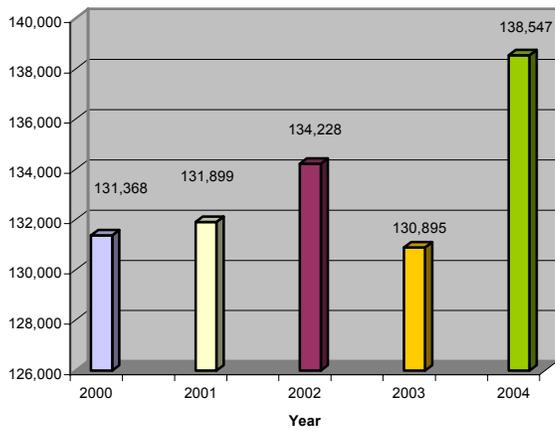


Figure 1-2 Fatal Crashes

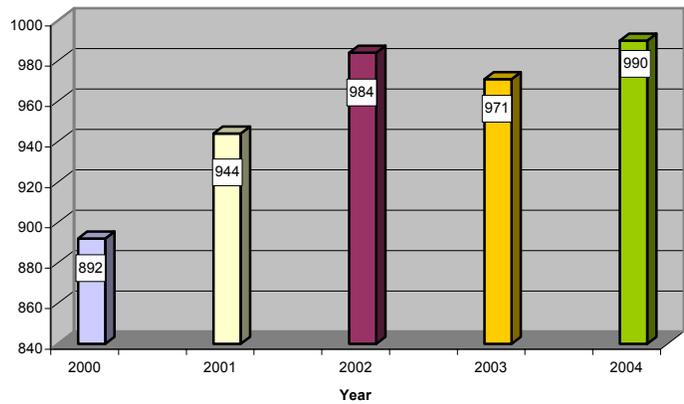


Figure 1-3 Injury Crashes

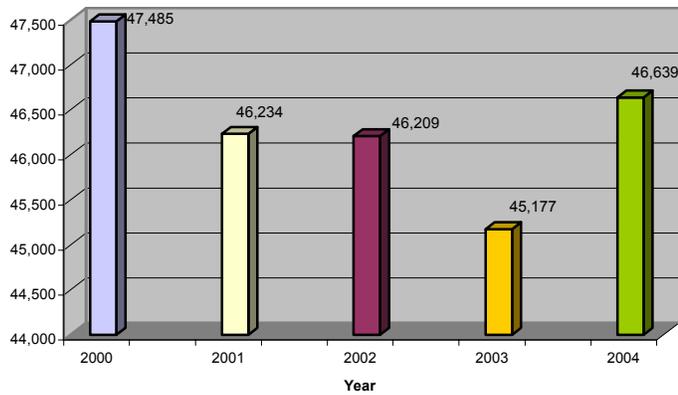


Figure 1-4 Property Damage Crashes

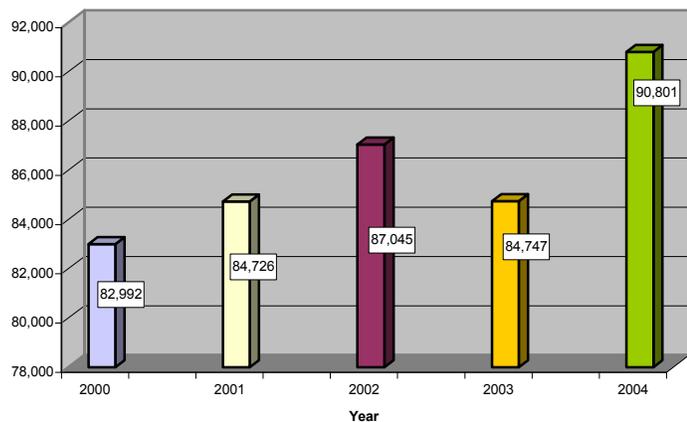


Table 1-5

Victims of Motor Vehicle Crashes

| Age Of Victim | Person Killed Counts | | | | Person Injured Counts | | | |
|-----------------------|----------------------|------------|------------|-------------|-----------------------|---------------|---------------|-------------|
| | Total | Male | Female | Sex Unknown | Total | Male | Female | Sex Unknown |
| 0--4 | 10 | 5 | 5 | 0 | 1,661 | 813 | 845 | 3 |
| 05--09 | 13 | 8 | 5 | 0 | 2,160 | 1,056 | 1,102 | 2 |
| 10--14 | 31 | 15 | 16 | 0 | 2,689 | 1,359 | 1,327 | 3 |
| 15--19 | 130 | 85 | 44 | 1 | 10,024 | 4,767 | 5,245 | 12 |
| 20--24 | 152 | 110 | 42 | 0 | 10,408 | 5,228 | 5,175 | 5 |
| 25--34 | 178 | 134 | 44 | 0 | 13,818 | 6,890 | 6,916 | 12 |
| 35--44 | 171 | 121 | 50 | 0 | 11,427 | 5,532 | 5,889 | 6 |
| 45--54 | 161 | 111 | 50 | 0 | 9,179 | 4,284 | 4,892 | 3 |
| 55--64 | 97 | 64 | 33 | 0 | 5,657 | 2,566 | 3,091 | 0 |
| 65--74 | 79 | 48 | 31 | 0 | 2,973 | 1,379 | 1,594 | 0 |
| 75 & Older | 127 | 76 | 50 | 1 | 2,807 | 1,368 | 1,411 | 28 |
| OTHER | 2 | 1 | 1 | 0 | 672 | 262 | 388 | 22 |
| TOTAL | 1,151 | 778 | 371 | 2 | 73,475 | 35,504 | 37,875 | 96 |

Includes all reported injuries and fatalities occurring on Arizona roadways.

Arizona's 2004 Estimated Population

| Race/Ethnic group | Population percentage* | Traffic Crash Fatality Percentage | Population Estimate** |
|---|------------------------|-----------------------------------|-----------------------|
| White non-Hispanic | 64.88% | 56.98% | 3,784,152 |
| Hispanic | 25.24% | 26.60% | 1,472,023 |
| Black or African American | 3.10% | 2.83% | 180,978 |
| American Indian or Alaska Native | 4.84% | 11.51% | 282,468 |
| Asian or Pacific Islander | 1.94% | 0.94% | 112,529 |
| Not stated | NA | 1.14% | NA |
| Total, all groups | 100.00% | 100.00% | 5,832,150 |

Source: Arizona Department of Health Services, Health Status and Vital Statistics Section.

*Population percentages and totals are based on 2000 U.S. Census data.

Section 1: – Highlights and Historical Trends

Table 1-6

Victims of Motor Vehicle Crashes (Arizona Residents Only)

| Age of Victim | Total Killed | M a l e | F e m a l e | Detail Breakdown: | | | | | |
|---------------|--------------|------------------|----------------------------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|-------------------|
| | | | | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Ethnicity Unknown |
| Less Than 1 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 1-14 | 56 | 32 | 24 | 23 | 27 | 2 | 4 | 0 | 0 |
| 15-19 | 128 | 78 | 50 | 65 | 48 | 6 | 9 | 0 | 0 |
| 20-44 | 438 | 307 | 131 | 216 | 127 | 19 | 65 | 6 | 5 |
| 45-64 | 239 | 165 | 74 | 156 | 51 | 3 | 25 | 2 | 2 |
| 65 or older | 187 | 99 | 88 | 138 | 28 | 0 | 17 | 2 | 2 |
| Unknown | 10 | 10 | 0 | 6 | 1 | 0 | 0 | 0 | 3 |
| Total | 1,060 | 693 | 367 | 604 | 282 | 30 | 122 | 10 | 12 |

Source: Arizona Department of Health Services, Health Status and Vital Statistics Section.
Includes victims of crashes occurring outside Arizona.

Figure 1-5

Vehicle Miles Traveled

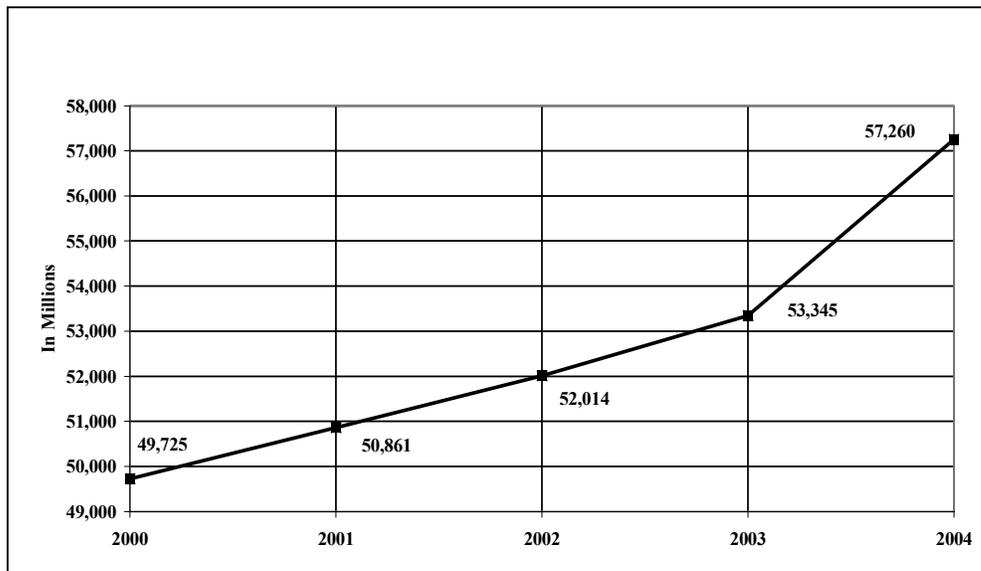


Figure 1-6

Arizona versus U.S. Fatality Rate

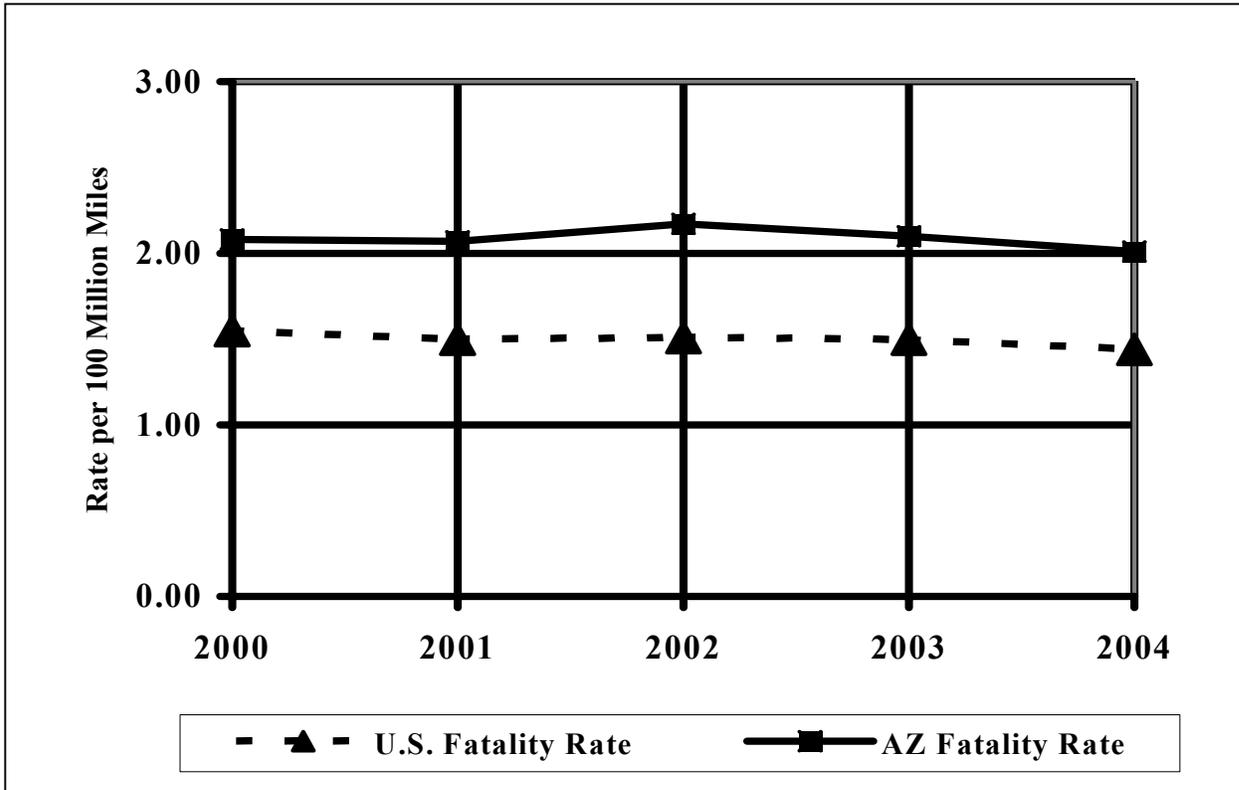


Figure 1-7

Traffic Fatalities by Geographic Location

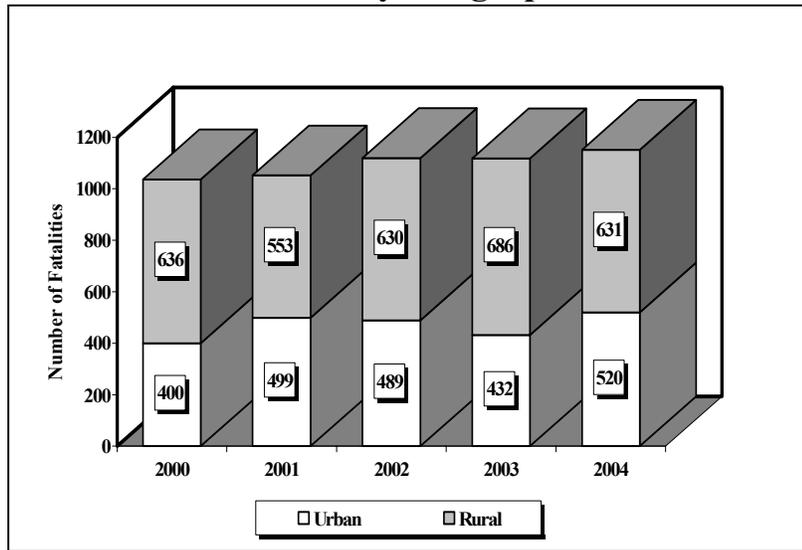


Figure 1-8

Traffic Injuries by Geographic Location

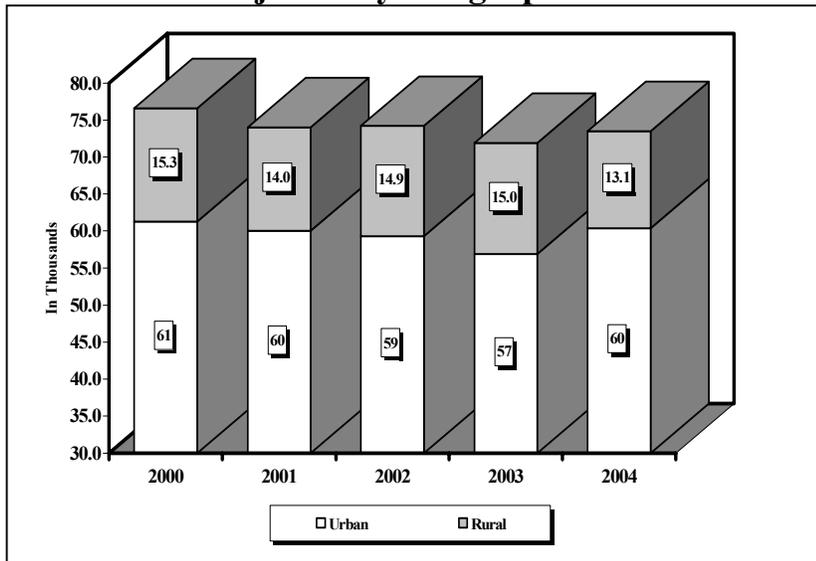


Table 1-7

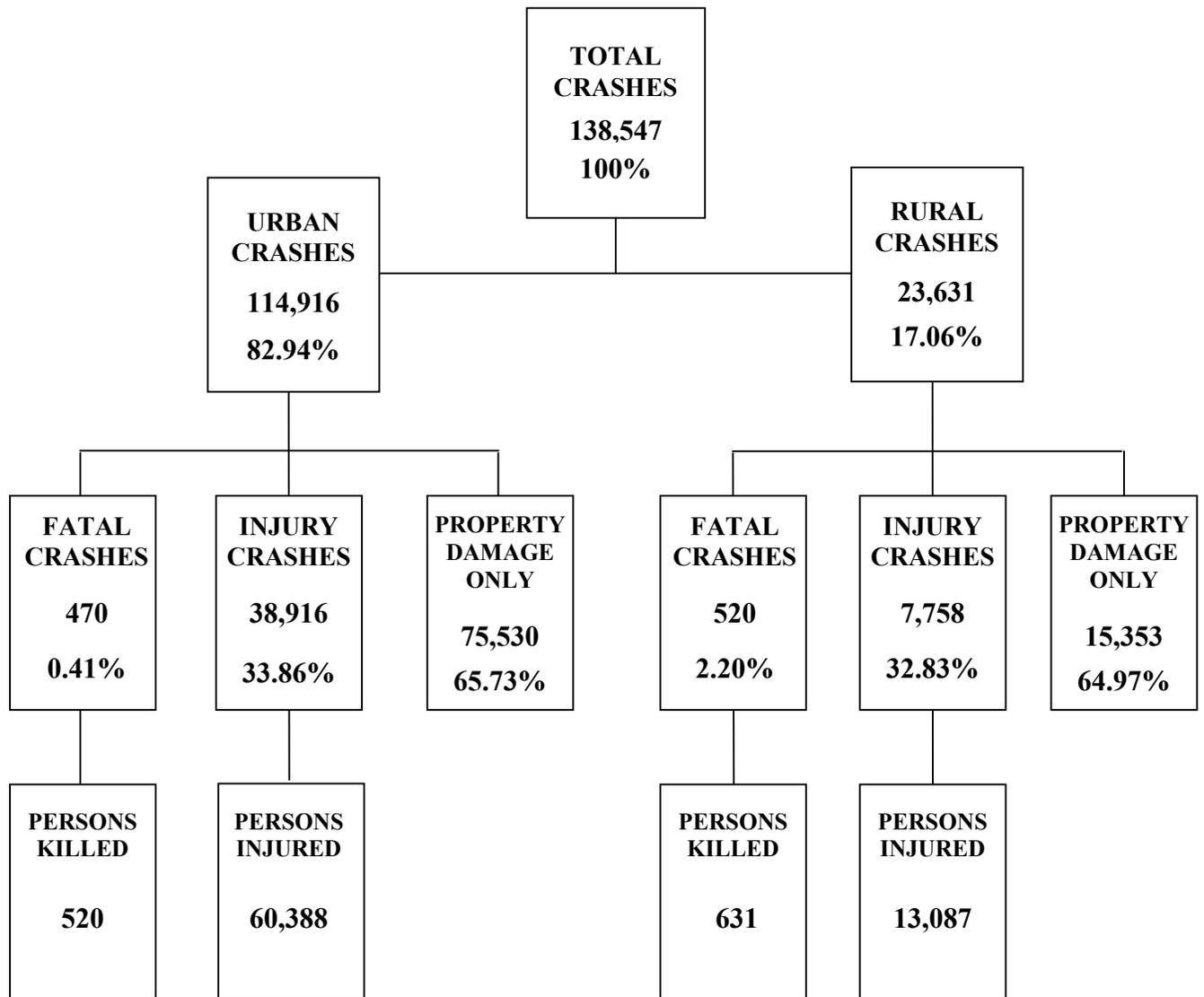
Holiday Crash Statistics

Holidays such as Memorial Day, Labor Day, and Thanksgiving are regarded as a three or four day weekend holiday for statistical purposes. Holidays such as Christmas, New Year's, and the Fourth of July are celebrated on specific dates; which make the holiday period range from two to five days in length.

Holiday fatality statistics are based on fatal crashes occurring between 6:00 p.m. on the last working day prior to the holiday and 5:59 a.m. the day following the holiday period. Example: Thanksgiving fatalities are counted from Wednesday evening at 6:00 p.m. through 5:59 a.m. of the following Monday

| 2004 Holidays | Beginning at 6 p.m. | Ending at 5:59 a.m. | Number of Days | Fatal Crashes | Persons Killed | Alcohol-Related Crashes | Alcohol-Related Fatalities |
|------------------------------|-------------------------|-----------------------|-----------------|------------------|----------------------|-------------------------|----------------------------|
| New Year's Day | Wednesday 12/31/2003 | Monday 01/05/2004 | 5 | 15 | 18 | 3 | 3 |
| Memorial | Friday 05/28/2004 | Tuesday 06/01/2004 | 4 | 14 | 14 | 4 | 4 |
| July 4th | Friday 07/02/2004 | Tuesday 07/06/2004 | 4 | 11 | 16 | 6 | 8 |
| Labor Day | Friday 09/03/2004 | Tuesday 09/07/2004 | 4 | 10 | 14 | 3 | 4 |
| Thanksgiving Day | Wednesday 11/24/2004 | Monday 11/29/2004 | 5 | 15 | 16 | 2 | 2 |
| Christmas | Thursday 12/23/2004 | Monday 12/27/2004 | 4 | 12 | 15 | 1 | 1 |
| Fatal Crashes by Year | New Year's Day | Memorial Day | July 4th | Labor Day | Thanks-giving | Christmas Day | Total |
| 2000 | 10 | 11 | 17 | 16 | 19 | 10 | 83 |
| 2001 | 10 | 16 | 4 | 15 | 11 | 15 | 71 |
| 2002 | 9 | 7 | 14 | 14 | 15 | 9 | 68 |
| 2003 | 3 | 10 | 19 | 8 | 22 | 5 | 67 |
| 2004 | 15 | 14 | 11 | 10 | 15 | 12 | 77 |
| Persons Killed | New Year's Day | Memorial Day | July 4th | Labor Day | Thanks-giving | Christmas Day | Total |
| 2000 | 11 | 16 | 21 | 19 | 24 | 12 | 103 |
| 2001 | 13 | 18 | 4 | 15 | 14 | 15 | 79 |
| 2002 | 9 | 11 | 18 | 20 | 19 | 12 | 89 |
| 2003 | 3 | 12 | 24 | 8 | 25 | 5 | 77 |
| 2004 | 18 | 14 | 16 | 14 | 16 | 15 | 93 |
| Number of Days | New Year's Day | Memorial Day | July 4th | Labor Day | Thanks-giving | Christmas Day | Total |
| 2000 | 3 | 3 | 4 | 3 | 4 | 3 | 20 |
| 2001 | 4 | 4 | 2 | 4 | 5 | 4 | 23 |
| 2002 | 2 | 4 | 2 | 4 | 5 | 2 | 19 |
| 2003 | 2 | 4 | 4 | 4 | 5 | 2 | 21 |
| 2004 | 5 | 4 | 4 | 4 | 5 | 4 | 26 |

Section 1: – Highlights and Historical Trends



Section 2: – Geographic Location

Table 2 - 1

Severity by First Harmful Event Statewide

| Statewide | Number of Crashes | | | | Number of Persons | |
|-------------------------------|-------------------|------------|---------------|---------------|-------------------|---------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Overturning | 3,330 | 250 | 1,805 | 1,275 | 321 | 3,298 |
| Collision with other MV | 106,487 | 384 | 35,715 | 70,388 | 451 | 58,863 |
| Collision with Pedestrian | 1,631 | 132 | 1,375 | 124 | 133 | 1,506 |
| Collision with Pedalcyclist | 2,003 | 27 | 1,701 | 275 | 27 | 1,763 |
| Collision with MV other Rdway | 32 | 5 | 13 | 14 | 6 | 32 |
| Animal | 1,489 | 4 | 198 | 1,287 | 4 | 277 |
| Fixed Object | 13,902 | 123 | 4,105 | 9,674 | 137 | 5,532 |
| Object in Roadway | 102 | 0 | 13 | 89 | 0 | 16 |
| Other | 4,626 | 36 | 453 | 4,137 | 39 | 594 |
| Miscellaneous | 4,944 | 29 | 1,295 | 3,620 | 33 | 1,591 |
| Not Reported | 1 | 0 | 1 | 0 | 0 | 3 |
| Total | 138,547 | 990 | 46,674 | 90,883 | 1,151 | 73,475 |

Table 2 - 2

Severity by First Harmful Event in Urban Areas

| Urban | Number of Crashes | | | | Number of Persons | |
|-------------------------------|-------------------|------------|---------------|---------------|-------------------|---------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Overturning | 803 | 49 | 448 | 306 | 61 | 734 |
| Collision with other MV | 93,949 | 238 | 31,650 | 62,061 | 269 | 51,569 |
| Collision with Pedestrian | 1,490 | 91 | 1,288 | 111 | 92 | 1,401 |
| Collision with Pedalcyclist | 1,866 | 18 | 1,588 | 260 | 18 | 1,642 |
| Collision with MV other Rdway | 16 | 2 | 9 | 5 | 3 | 21 |
| Animal | 209 | 0 | 29 | 180 | 0 | 46 |
| Fixed Object | 9,786 | 52 | 2,776 | 6,958 | 56 | 3,598 |
| Object in Roadway | 22 | 0 | 1 | 21 | 0 | 2 |
| Other | 4,060 | 9 | 393 | 3,658 | 10 | 511 |
| Miscellaneous | 2,714 | 11 | 733 | 1,970 | 11 | 861 |
| Not Reported | 1 | 0 | 1 | 0 | 0 | 3 |
| Total | 114,916 | 470 | 38,916 | 75,530 | 520 | 60,388 |

Section 2: – Geographic Location

Table 2 - 3

Severity by First Harmful Event in Rural Areas

| Rural | Number of Crashes | | | | Number of Persons | |
|-------------------------------|-------------------|------------|--------------|---------------|-------------------|---------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Overturning | 2,527 | 201 | 1,357 | 969 | 260 | 2,564 |
| Collision with other MV | 12,538 | 146 | 4,065 | 8,327 | 182 | 7,294 |
| Collision with Pedestrian | 141 | 41 | 87 | 13 | 41 | 105 |
| Collision with Pedalcyclist | 137 | 9 | 113 | 15 | 9 | 121 |
| Collision with MV other Rdway | 16 | 3 | 4 | 9 | 3 | 11 |
| Animal | 1,280 | 4 | 169 | 1,107 | 4 | 231 |
| Fixed Object | 4,116 | 71 | 1,329 | 2,716 | 81 | 1,934 |
| Object in Roadway | 80 | 0 | 12 | 68 | 0 | 14 |
| Other | 566 | 27 | 60 | 479 | 29 | 83 |
| Miscellaneous | 2,230 | 18 | 562 | 1,650 | 22 | 730 |
| Not Reported | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 23,631 | 520 | 7,758 | 15,353 | 631 | 13,087 |

Table 2 - 4

Crashes by County

| County | Total | Number Of Crashes | | | Number Of Persons | |
|--------------|----------------|-------------------|---------------|---------------|-------------------|---------------|
| | | Fatal | Injury | PDOs | Fatalities | Injuries |
| Apache | 809 | 44 | 268 | 497 | 54 | 508 |
| Cochise | 2,206 | 37 | 646 | 1,523 | 53 | 1,101 |
| Coconino | 4,607 | 52 | 1,213 | 3,342 | 58 | 1,904 |
| Gila | 1,093 | 25 | 377 | 691 | 26 | 577 |
| Graham | 285 | 10 | 103 | 172 | 10 | 167 |
| Greenlee | 44 | 0 | 17 | 27 | 0 | 19 |
| Maricopa | 90,600 | 414 | 30,745 | 59,441 | 458 | 48,243 |
| Mohave | 3,637 | 42 | 1,289 | 2,306 | 53 | 2,036 |
| Navajo | 1,531 | 46 | 490 | 995 | 53 | 861 |
| Pima | 21,854 | 127 | 7,738 | 13,989 | 147 | 11,801 |
| Pinal | 3,668 | 73 | 1,156 | 2,439 | 93 | 1,992 |
| Santa Cruz | 612 | 11 | 156 | 445 | 12 | 247 |
| Yavapai | 4,061 | 64 | 1,168 | 2,829 | 79 | 1,832 |
| Yuma | 2,947 | 23 | 1,127 | 1,797 | 27 | 1,838 |
| La Paz | 593 | 22 | 181 | 390 | 28 | 349 |
| TOTAL | 138,547 | 990 | 46,674 | 90,883 | 1,151 | 73,475 |

While rural crashes in Arizona accounted for 17.06% of all crashes, they accounted for 2.20% of all fatal crashes occurring in 2004

Section 2: – Geographic Location

Table 2 - 5

Analysis by Jurisdiction

| Counties Cities | Total | Number of Crashes | | | Number of Persons | | Alcohol Related | | |
|---|--------------|-------------------|--------------|--------------|-------------------|--------------|-----------------|-----------|------------|
| | | Fatal | Injury | PDO | Killed | Injured | Crashes | Killed | Injured |
| Apache County | 176 | 11 | 59 | 106 | 12 | 106 | 37 | 3 | 40 |
| Apache County State Rural Roads | 536 | 32 | 182 | 322 | 41 | 358 | 41 | 7 | 47 |
| Eagar | 41 | 0 | 13 | 28 | 0 | 25 | 2 | 0 | 4 |
| St. Johns | 16 | 1 | 4 | 11 | 1 | 4 | 2 | 1 | 1 |
| Springerville | 40 | 0 | 10 | 30 | 0 | 15 | 3 | 0 | 3 |
| TOTAL | 809 | 44 | 268 | 497 | 54 | 508 | 85 | 11 | 95 |
| Cochise County | | | | | | | | | |
| Cochise County | 283 | 4 | 75 | 204 | 6 | 114 | 19 | 0 | 10 |
| Cochise County State Rural Roads | 553 | 22 | 196 | 335 | 31 | 374 | 18 | 3 | 15 |
| Benson | 91 | 1 | 29 | 61 | 1 | 55 | 2 | 0 | 1 |
| Bisbee | 62 | 1 | 28 | 33 | 1 | 44 | 3 | 0 | 4 |
| Douglas | 284 | 1 | 55 | 228 | 1 | 89 | 22 | 1 | 14 |
| Huachuca City | 12 | 0 | 2 | 10 | 0 | 2 | 1 | 0 | 1 |
| Sierra Vista | 855 | 8 | 251 | 596 | 13 | 411 | 26 | 0 | 13 |
| Tombstone | 17 | 0 | 0 | 17 | 0 | 0 | 3 | 0 | 0 |
| Willcox | 49 | 0 | 10 | 39 | 0 | 12 | 2 | 0 | 0 |
| TOTAL | 2,206 | 37 | 646 | 1,523 | 53 | 1,101 | 96 | 4 | 58 |
| Coconino County | | | | | | | | | |
| Coconino County | 305 | 7 | 101 | 197 | 7 | 152 | 30 | 2 | 24 |
| Coconino Count State Rural Roads | 1,345 | 38 | 427 | 880 | 44 | 778 | 60 | 7 | 67 |
| Flagstaff | 2,505 | 5 | 577 | 1,923 | 5 | 814 | 127 | 0 | 73 |
| Fredonia | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Williams | 98 | 1 | 19 | 78 | 1 | 28 | 4 | 1 | 0 |
| Page | 83 | 1 | 25 | 57 | 1 | 39 | 7 | 0 | 8 |
| Sedona | 270 | 0 | 64 | 206 | 0 | 93 | 27 | 0 | 8 |
| TOTAL | 4,607 | 52 | 1,213 | 3,342 | 58 | 1,904 | 255 | 10 | 180 |
| Gila County | | | | | | | | | |
| Gila County | 121 | 6 | 46 | 69 | 7 | 67 | 20 | 1 | 18 |
| Gila County State Rural Roads | 540 | 17 | 194 | 329 | 17 | 299 | 27 | 3 | 24 |
| Globe | 159 | 1 | 58 | 100 | 1 | 104 | 0 | 0 | 0 |
| Hayden | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| Miami | 22 | 0 | 5 | 17 | 0 | 6 | 7 | 0 | 3 |
| Payson | 250 | 1 | 73 | 176 | 1 | 100 | 13 | 0 | 6 |
| TOTAL | 1,093 | 25 | 377 | 691 | 26 | 577 | 67 | 4 | 51 |
| Graham County | | | | | | | | | |
| Graham County | 59 | 4 | 20 | 35 | 4 | 27 | 6 | 2 | 1 |
| Graham County State Rural Roads | 67 | 6 | 22 | 39 | 6 | 41 | 3 | 0 | 1 |
| Pima | 3 | 0 | 1 | 2 | 0 | 2 | 0 | 0 | 0 |
| Safford | 93 | 0 | 35 | 58 | 0 | 62 | 4 | 0 | 5 |
| Thatcher | 63 | 0 | 25 | 38 | 0 | 35 | 2 | 0 | 4 |
| TOTAL | 285 | 10 | 103 | 172 | 10 | 167 | 15 | 2 | 11 |
| Greenlee County | | | | | | | | | |
| Greenlee County | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greenlee Count State Rural Roads | 42 | 0 | 17 | 25 | 0 | 19 | 5 | 0 | 6 |
| Duncan | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 44 | 0 | 17 | 27 | 0 | 19 | 5 | 0 | 6 |

Section 2: – Geographic Location

Table 2 - 5

Analysis by Jurisdiction

| Counties Cities | Total | Number of Crashes | | | Number of Persons | | Alcohol Related | | |
|--|---------------|-------------------|---------------|---------------|-------------------|---------------|-----------------|------------|--------------|
| | | Fatal | Injury | PDO | Killed | Injured | Crashes | Killed | Injured |
| La Paz County | 48 | 4 | 15 | 29 | 5 | 28 | 5 | 3 | 7 |
| La Paz County State Rural Roads | 408 | 18 | 134 | 256 | 23 | 273 | 20 | 1 | 13 |
| Parker | 68 | 0 | 15 | 53 | 0 | 21 | 2 | 0 | 1 |
| Quartzite | 69 | 0 | 17 | 52 | 0 | 27 | 5 | 0 | 5 |
| TOTAL | 593 | 22 | 181 | 390 | 28 | 349 | 32 | 4 | 26 |
| Maricopa County | | | | | | | | | |
| Maricopa County | 3,439 | 46 | 1,187 | 2,206 | 51 | 1,935 | 211 | 15 | 179 |
| Maricopa County State Rural Roads | 2,670 | 29 | 842 | 1,799 | 33 | 1,386 | 128 | 5 | 97 |
| Avondale | 1,066 | 3 | 306 | 757 | 3 | 456 | 57 | 1 | 32 |
| Buckeye | 200 | 9 | 64 | 127 | 11 | 126 | 12 | 3 | 6 |
| Cave Creek | 97 | 3 | 25 | 69 | 4 | 34 | 20 | 2 | 6 |
| Chandler | 4,686 | 13 | 1,373 | 3,300 | 14 | 2,130 | 303 | 5 | 225 |
| El Mirage | 224 | 5 | 86 | 133 | 5 | 138 | 19 | 2 | 14 |
| Gila Bend | 35 | 1 | 15 | 19 | 5 | 21 | 1 | 0 | 0 |
| Gilbert | 2,189 | 8 | 608 | 1,573 | 8 | 859 | 99 | 2 | 53 |
| Glendale | 5,457 | 29 | 1,690 | 3,738 | 30 | 2,600 | 290 | 8 | 218 |
| Goodyear | 747 | 12 | 255 | 480 | 17 | 418 | 33 | 2 | 33 |
| Mesa | 10,950 | 28 | 3,329 | 7,593 | 30 | 5,004 | 547 | 7 | 336 |
| Paradise Valley | 275 | 0 | 85 | 190 | 0 | 128 | 21 | 0 | 11 |
| Peoria | 2,278 | 7 | 717 | 1,554 | 8 | 1,104 | 115 | 4 | 63 |
| Phoenix | 40,923 | 175 | 15,306 | 25,442 | 186 | 24,663 | 2,495 | 53 | 2,164 |
| Scottsdale | 5,194 | 16 | 1,727 | 3,451 | 21 | 2,616 | 412 | 8 | 281 |
| Surprise | 746 | 5 | 242 | 499 | 5 | 416 | 22 | 0 | 11 |
| Tempe | 8,227 | 19 | 2,534 | 5,674 | 21 | 3,674 | 475 | 7 | 311 |
| Tolleson | 415 | 2 | 122 | 291 | 2 | 187 | 26 | 1 | 15 |
| Wickenburg | 83 | 1 | 28 | 54 | 1 | 42 | 7 | 0 | 7 |
| Youngtown | 10 | 0 | 2 | 8 | 0 | 2 | 0 | 0 | 0 |
| Guadalupe | 318 | 2 | 98 | 218 | 2 | 156 | 19 | 2 | 15 |
| Litchfield Park | 97 | 0 | 32 | 65 | 0 | 56 | 5 | 0 | 3 |
| Queen Creek | 60 | 1 | 16 | 43 | 1 | 23 | 0 | 0 | 0 |
| Fountain Hills | 182 | 0 | 51 | 131 | 0 | 64 | 7 | 0 | 2 |
| Carefree | 32 | 0 | 5 | 27 | 0 | 5 | 2 | 0 | 2 |
| TOTAL | 90,600 | 414 | 30,745 | 59,441 | 458 | 48,243 | 5,326 | 127 | 4,084 |
| Mohave County | | | | | | | | | |
| Mohave County | 393 | 9 | 147 | 237 | 11 | 221 | 39 | 3 | 28 |
| Mohave County State Rural Roads | 890 | 26 | 306 | 558 | 35 | 549 | 52 | 7 | 57 |
| Kingman | 608 | 1 | 229 | 378 | 1 | 349 | 18 | 0 | 19 |
| Lake Havasu City | 735 | 1 | 281 | 453 | 1 | 415 | 54 | 0 | 42 |
| Bullhead City | 995 | 4 | 324 | 667 | 4 | 495 | 68 | 0 | 43 |
| Colorado City | 16 | 1 | 2 | 13 | 1 | 7 | 0 | 0 | 0 |
| TOTAL | 3,637 | 42 | 1,289 | 2,306 | 53 | 2,036 | 231 | 10 | 189 |

Section 2: – Geographic Location

Table 2 - 5

Analysis by Jurisdiction

| Counties Cities | Total | Number of Crashes | | | Number of Persons | | Alcohol Related | | |
|---|---------------|-------------------|--------------|---------------|-------------------|---------------|-----------------|-----------|------------|
| | | Fatal | Injury | PDO | Killed | Injured | Crashes | Killed | Injured |
| Navajo County | 183 | 11 | 59 | 113 | 12 | 94 | 18 | 2 | 14 |
| Navajo County State Rural Roads | 590 | 25 | 222 | 343 | 31 | 412 | 45 | 5 | 46 |
| Holbrook | 116 | 3 | 28 | 85 | 3 | 46 | 9 | 0 | 1 |
| Show Low | 212 | 2 | 67 | 143 | 2 | 124 | 12 | 0 | 4 |
| Snowflake | 58 | 0 | 14 | 44 | 0 | 22 | 5 | 0 | 5 |
| Taylor | 38 | 2 | 15 | 21 | 2 | 33 | 2 | 0 | 1 |
| Winslow | 196 | 3 | 49 | 144 | 3 | 80 | 20 | 0 | 11 |
| Pinetop-Lakeside | 137 | 0 | 36 | 101 | 0 | 50 | 6 | 0 | 4 |
| Navajo Reservation | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 1,531 | 46 | 490 | 995 | 53 | 861 | 117 | 7 | 86 |
| Pima County | 4,032 | 34 | 1,327 | 2,671 | 37 | 2,035 | 274 | 10 | 230 |
| Pima County State Rural Roads | 1,027 | 30 | 344 | 653 | 43 | 635 | 59 | 8 | 72 |
| South Tucson | 228 | 3 | 75 | 150 | 3 | 108 | 12 | 0 | 7 |
| Tucson | 14,990 | 50 | 5,536 | 9,404 | 53 | 8,310 | 685 | 12 | 512 |
| Sahuarita | 110 | 1 | 34 | 75 | 2 | 57 | 8 | 0 | 8 |
| Oro Valley | 515 | 1 | 145 | 369 | 1 | 225 | 11 | 0 | 14 |
| Marana | 952 | 8 | 277 | 667 | 8 | 431 | 52 | 2 | 38 |
| TOTAL | 21,854 | 127 | 7,738 | 13,989 | 147 | 11,801 | 1,101 | 32 | 881 |
| Pinal County | 865 | 15 | 279 | 571 | 16 | 435 | 57 | 8 | 49 |
| Pinal County State Rural Roads | 1,076 | 42 | 345 | 689 | 55 | 715 | 83 | 11 | 85 |
| Casa Grande | 871 | 9 | 284 | 578 | 14 | 472 | 46 | 3 | 36 |
| Coolidge | 131 | 0 | 38 | 93 | 0 | 59 | 12 | 0 | 7 |
| Eloy | 192 | 3 | 47 | 142 | 3 | 73 | 8 | 0 | 2 |
| Florence | 44 | 1 | 17 | 26 | 1 | 31 | 2 | 0 | 2 |
| Kearny | 5 | 0 | 0 | 5 | 0 | 0 | 1 | 0 | 0 |
| Mammoth | 3 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 0 |
| Superior | 14 | 0 | 5 | 9 | 0 | 8 | 0 | 0 | 0 |
| Apache Junction | 467 | 3 | 140 | 324 | 4 | 198 | 22 | 0 | 8 |
| TOTAL | 3,668 | 73 | 1,156 | 2,439 | 93 | 1,992 | 232 | 22 | 189 |
| Santa Cruz County | 47 | 0 | 15 | 32 | 0 | 24 | 1 | 0 | 1 |
| Santa Cruz Cou State Rural Roads | 207 | 8 | 64 | 135 | 9 | 109 | 24 | 1 | 26 |
| Nogales | 356 | 3 | 77 | 276 | 3 | 114 | 21 | 0 | 13 |
| Patagonia | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 612 | 11 | 156 | 445 | 12 | 247 | 46 | 1 | 40 |
| Yavapai County | 485 | 8 | 145 | 332 | 9 | 204 | 43 | 3 | 38 |
| Yavapai County State Rural Roads | 1,268 | 39 | 396 | 833 | 48 | 699 | 60 | 8 | 46 |
| Clarkdale | 9 | 0 | 3 | 6 | 0 | 3 | 1 | 0 | 1 |
| Cottonwood | 377 | 5 | 134 | 238 | 8 | 205 | 11 | 1 | 3 |
| Jerome | 6 | 0 | 2 | 4 | 0 | 3 | 0 | 0 | 0 |
| Prescott | 1,128 | 2 | 280 | 846 | 2 | 400 | 49 | 1 | 31 |
| Prescott Valley | 552 | 6 | 128 | 418 | 7 | 203 | 42 | 1 | 26 |
| Chino Valley | 104 | 2 | 40 | 62 | 3 | 58 | 8 | 2 | 4 |
| Camp Verde | 132 | 2 | 40 | 90 | 2 | 57 | 6 | 0 | 4 |
| TOTAL | 4,061 | 64 | 1,168 | 2,829 | 79 | 1,832 | 220 | 16 | 153 |

Section 2: – Geographic Location

Table 2 - 5

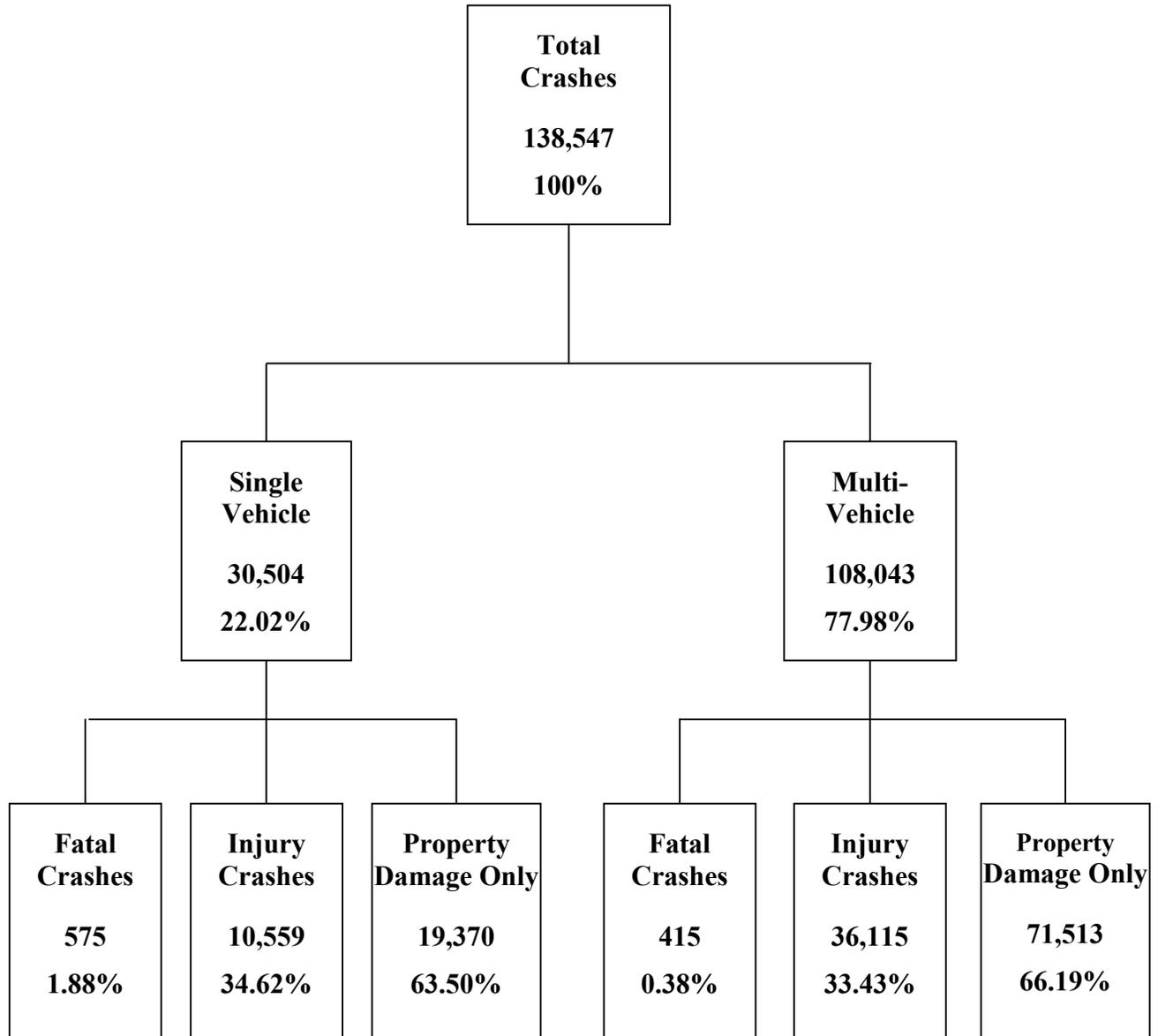
Analysis by Jurisdiction

| Counties Cities | Total | Number of Crashes | | | Number of Persons | | Alcohol Related | | |
|--------------------------------------|--------------|-------------------|--------------|--------------|-------------------|--------------|-----------------|----------|------------|
| | | Fatal | Injury | PDO | Killed | Injured | Crashes | Killed | Injured |
| Yuma County | 597 | 12 | 200 | 385 | 16 | 341 | 36 | 1 | 35 |
| Yuma County State Rural Roads | 348 | 9 | 115 | 224 | 9 | 220 | 16 | 5 | 20 |
| Somerton | 23 | 0 | 7 | 16 | 0 | 7 | 1 | 0 | 1 |
| Yuma | 1,975 | 2 | 803 | 1,170 | 2 | 1,267 | 0 | 0 | 0 |
| Wellton | 3 | 0 | 2 | 1 | 0 | 3 | 0 | 0 | 0 |
| San Luis | 1 | 0 | 0 | 1 | 0 | 0 | 124 | 0 | 97 |
| TOTAL | 2,947 | 23 | 1,127 | 1,797 | 27 | 1,838 | 177 | 6 | 153 |

Some individual city data may be incomplete due to lack of timely reporting.

Totals within city and town jurisdictions include all state highways.

In 2004, 41.82% of all fatal crashes occurred in Maricopa County.



Section 3: Crash Descriptions

Table 3 - 1

Manner of Collision in Multi-Vehicle Crashes

| Manner of Collision | Total | Percent of All Crashes | Fatal | Percent of Fatal Crashes | Injury | Percent of Injury Crashes |
|------------------------------|----------------|------------------------|------------|--------------------------|---------------|---------------------------|
| Not Reported | 1 | 0.00% | 0 | 0.00% | 1 | 0.00% |
| Sideswipe Same Direction | 13,857 | 12.83% | 20 | 4.82% | 2,167 | 6.00% |
| Sideswipe Opposite Direction | 962 | 0.89% | 10 | 2.41% | 314 | 0.87% |
| Angle | 22,256 | 20.60% | 131 | 31.57% | 8,654 | 23.96% |
| Left Turn | 13,312 | 12.32% | 65 | 15.66% | 6,360 | 17.61% |
| Rear-End | 49,656 | 45.96% | 48 | 11.57% | 16,690 | 46.21% |
| Head-On | 922 | 0.85% | 89 | 21.45% | 475 | 1.32% |
| Backing | 2,134 | 1.98% | 0 | 0.00% | 164 | 0.45% |
| Other | 3,203 | 2.96% | 43 | 10.36% | 789 | 2.18% |
| Driveway/Alley Related | 1 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| Non-Contact (mc) | 11 | 0.01% | 0 | 0.00% | 11 | 0.03% |
| Non-Contact (not mc) | 89 | 0.08% | 2 | 0.48% | 17 | 0.05% |
| U-Turn | 1,639 | 1.52% | 7 | 1.69% | 473 | 1.31% |
| TOTAL | 108,043 | 100% | 415 | 100% | 36,115 | 100% |

Table 3 - 2

Unusual Road Conditions

| Unusual Road Conditions | Total | Incident Counts | | | Person Counts | |
|--------------------------------------|----------------|-----------------|---------------|---------------|---------------|---------------|
| | | Fatal | Injury | PDO | Killed | Injured |
| No Unusual Condition | 133,237 | 965 | 45,033 | 87,239 | 1,124 | 70,920 |
| Under Construction, Traffic Allowed | 3,346 | 7 | 1,016 | 2,323 | 8 | 1,518 |
| Under Construction, Traffic Detoured | 73 | 0 | 23 | 50 | 0 | 25 |
| Under Repairs | 91 | 2 | 33 | 56 | 2 | 57 |
| Holes, Ruts, Bumps | 308 | 4 | 123 | 181 | 4 | 198 |
| Obstruction (protected) | 30 | 1 | 5 | 24 | 1 | 9 |
| Obstruction (unprotected) | 118 | 2 | 26 | 90 | 2 | 41 |
| Obstruction (unlighted at night) | 142 | 2 | 50 | 90 | 3 | 80 |
| Defective Shoulders | 36 | 0 | 15 | 21 | 0 | 18 |
| Changing Roadwidth | 289 | 1 | 92 | 196 | 1 | 147 |
| Flooded | 499 | 5 | 149 | 345 | 5 | 275 |
| Temporary Lane Closure | 378 | 1 | 109 | 268 | 1 | 187 |
| TOTAL | 138,547 | 990 | 46,674 | 90,883 | 1,151 | 73,475 |

Section 3: Crash Descriptions

Table 3 - 3

Weather Conditions

| Weather Conditions | Total | Number of Crashes | | | Number of Persons | |
|--------------------------------|----------------|-------------------|---------------|---------------|-------------------|---------------|
| | | Fatal | Injury | PDO | Killed | Injured |
| Not Reported | 520 | 71 | 130 | 319 | 77 | 199 |
| Clear | 117,162 | 743 | 39,728 | 76,691 | 870 | 62,564 |
| Cloudy | 13,299 | 118 | 4,525 | 8,656 | 136 | 7,103 |
| Sleet/Hail | 210 | 1 | 71 | 138 | 1 | 116 |
| Rain | 6,108 | 43 | 1,892 | 4,173 | 51 | 2,885 |
| Snow | 922 | 4 | 214 | 704 | 4 | 339 |
| Severe Crosswinds | 131 | 4 | 39 | 88 | 4 | 99 |
| Blowing Sand, Soil, Dirt, Snow | 128 | 5 | 55 | 68 | 7 | 142 |
| Fog, Smog, Smoke | 67 | 1 | 20 | 46 | 1 | 28 |
| TOTAL | 138,547 | 990 | 46,674 | 90,883 | 1,151 | 73,475 |

Table 3 - 4

Lighting Conditions

| Lighting Conditions | Total | Incident Counts | | | Person Counts | |
|---------------------|----------------|-----------------|---------------|---------------|---------------|---------------|
| | | Fatal | Injury | PDO | Killed | Injured |
| Not Reported | 297 | 20 | 70 | 207 | 21 | 104 |
| Daylight | 98,603 | 470 | 32,971 | 65,162 | 560 | 51,368 |
| Dawn or Dusk | 7,310 | 59 | 2,512 | 4,739 | 66 | 3,884 |
| Darkness | 32,337 | 441 | 11,121 | 20,775 | 504 | 18,119 |
| TOTAL | 138,547 | 990 | 46,674 | 90,883 | 1,151 | 73,475 |

Table 3 - 5

Road Surface

| Surface | Total | Number of Crashes | | | Number of Persons | |
|--------------|----------------|-------------------|---------------|---------------|-------------------|---------------|
| | | Fatal | Injury | PDO | Killed | Injured |
| Not Reported | 504 | 69 | 159 | 276 | 75 | 238 |
| Asphalt | 127,480 | 858 | 43,215 | 83,407 | 1,004 | 68,261 |
| Concrete | 8,805 | 28 | 2,743 | 6,034 | 30 | 4,093 |
| Gravel | 323 | 9 | 91 | 223 | 9 | 149 |
| Dirt | 1,339 | 26 | 435 | 878 | 33 | 690 |
| Other | 96 | 0 | 31 | 65 | 0 | 44 |
| TOTAL | 138,547 | 990 | 46,674 | 90,883 | 1,151 | 73,475 |

Table 3 - 6

Road Surface Conditions

| Surface | Total | Incident Counts | | | Person Counts | |
|------------------------------------|----------------|-----------------|---------------|---------------|---------------|---------------|
| | | Fatal | Injury | PDO | Killed | Injured |
| Not Reported, No Unusual Condition | 2,267 | 64 | 675 | 1,528 | 71 | 994 |
| Dry | 125,112 | 852 | 42,644 | 81,616 | 998 | 67,324 |
| Wet | 8,654 | 55 | 2,663 | 5,936 | 63 | 4,045 |
| Sand, Mud, Dirt, Oil or Gravel | 739 | 7 | 255 | 477 | 7 | 389 |
| Snow | 552 | 0 | 122 | 430 | 0 | 231 |
| Slush | 171 | 4 | 46 | 121 | 4 | 68 |
| Ice | 568 | 4 | 158 | 406 | 4 | 251 |
| Other | 74 | 1 | 25 | 48 | 1 | 45 |
| Unknown | 410 | 3 | 86 | 321 | 3 | 128 |
| TOTAL | 138,547 | 990 | 46,674 | 90,883 | 1,151 | 73,475 |

In the U.S., in 2004 59.47% of police-reported motor vehicle crashes occurred under normal weather conditions, during daylight hours.

Table 3 - 7

Road Grade

| Road Grade | Total | Incident Counts | | | Person Counts | |
|--------------|----------------|-----------------|---------------|---------------|---------------|---------------|
| | | Fatal | Injury | PDO | Killed | Injured |
| Not Reported | 909 | 60 | 293 | 556 | 66 | 433 |
| Level | 124,353 | 745 | 41,908 | 81,700 | 862 | 65,935 |
| Downgrade | 7,491 | 119 | 2,592 | 4,780 | 143 | 4,135 |
| Upgrade | 5,213 | 59 | 1,665 | 3,489 | 71 | 2,603 |
| Hillcrest | 400 | 5 | 149 | 246 | 7 | 253 |
| Dip | 181 | 2 | 67 | 112 | 2 | 116 |
| TOTAL | 138,547 | 990 | 46,674 | 90,883 | 1,151 | 73,475 |

Section 3: Crash Descriptions

Figure 3 - 1
Crashes by Time of Day

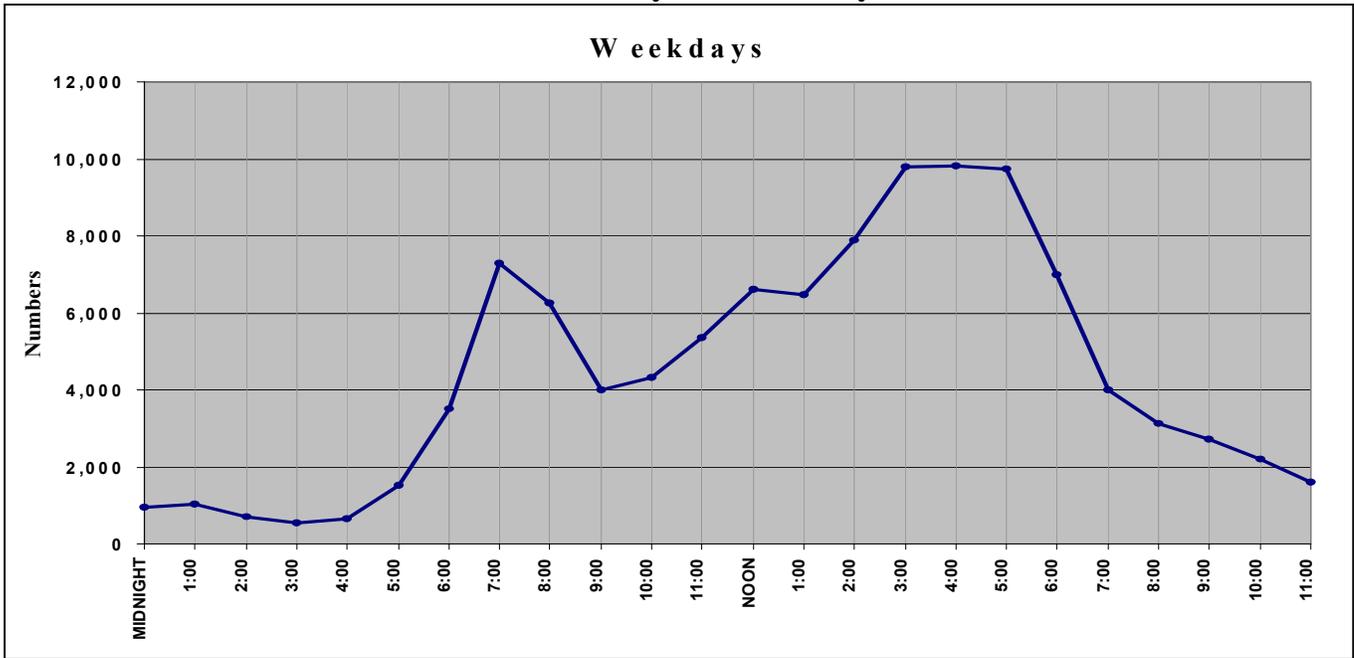


Figure 3 - 2
Crashes by Time of Day

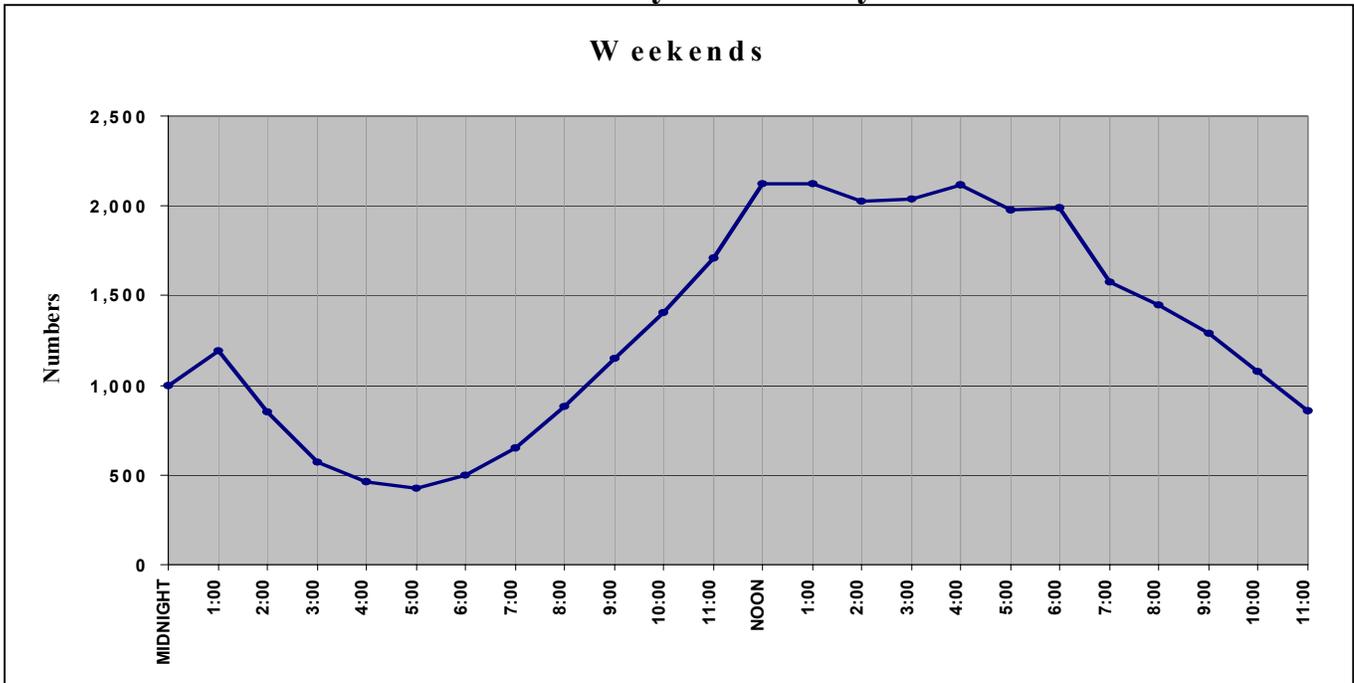


Figure 3 - 3
Fatal Crashes by Time of Day

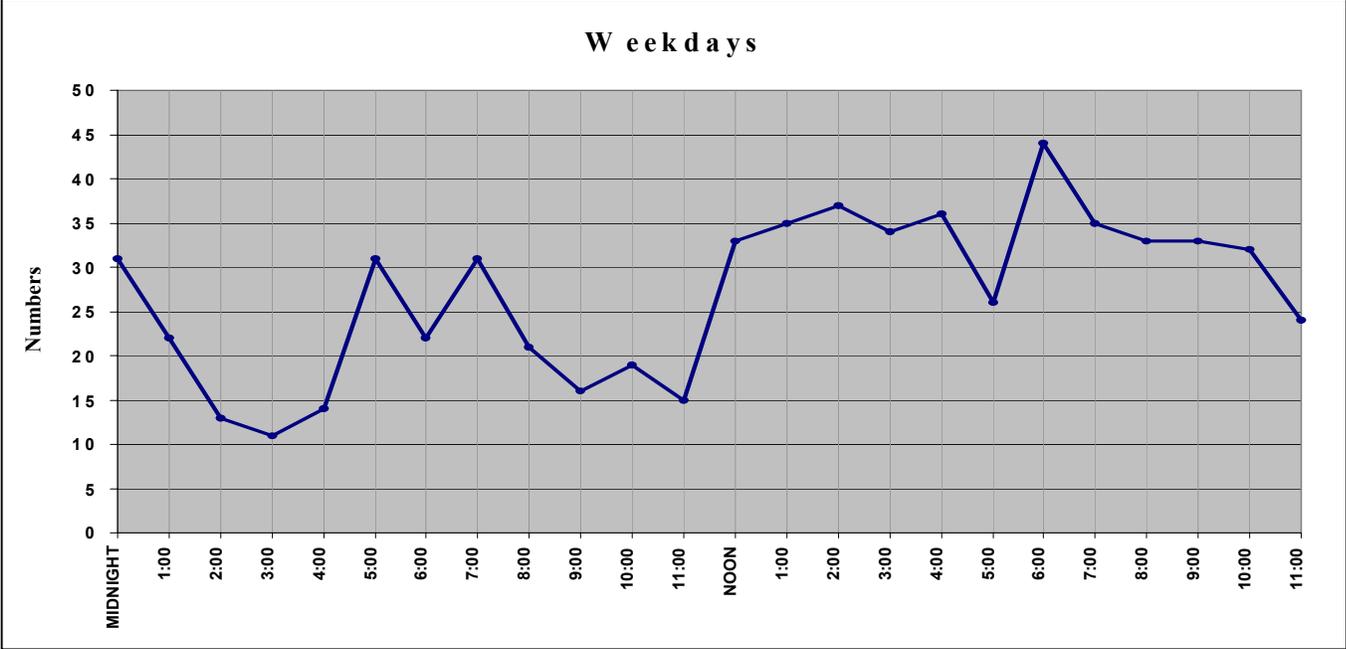
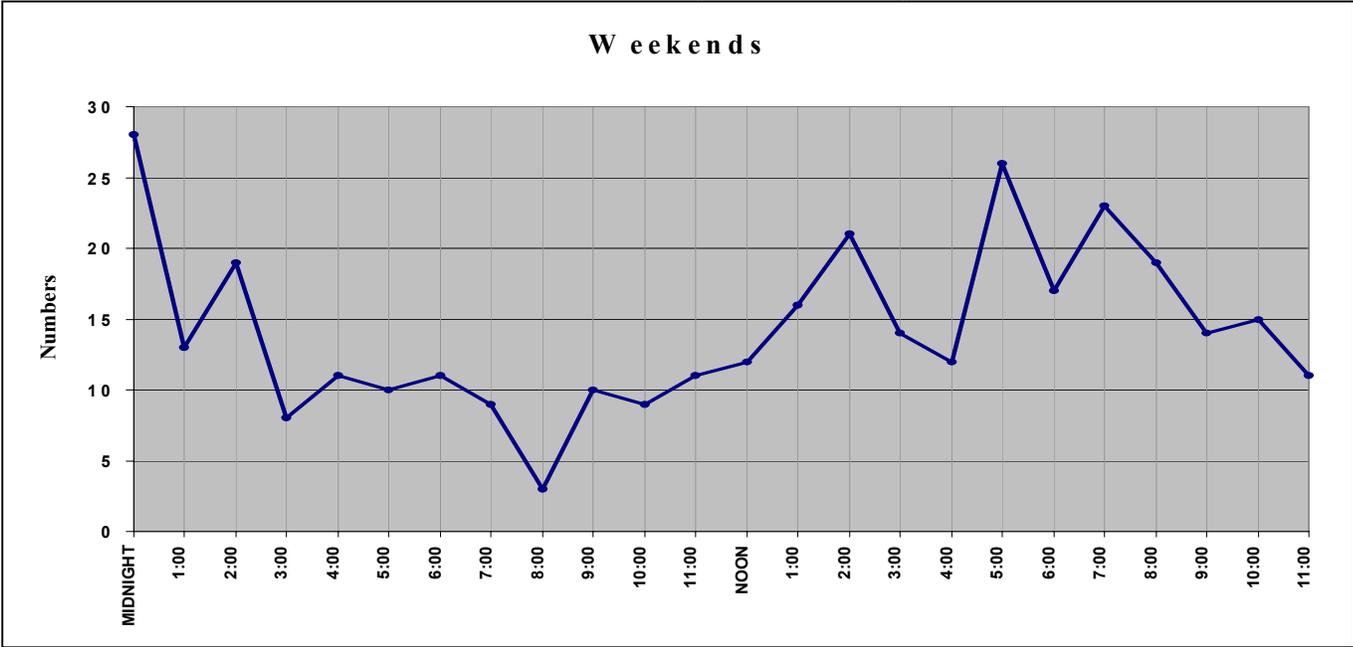


Figure 3 - 4
Fatal Crashes by Time of Day



Section 3: Crash Descriptions

Figure 3 - 5

Crashes by Day of Week

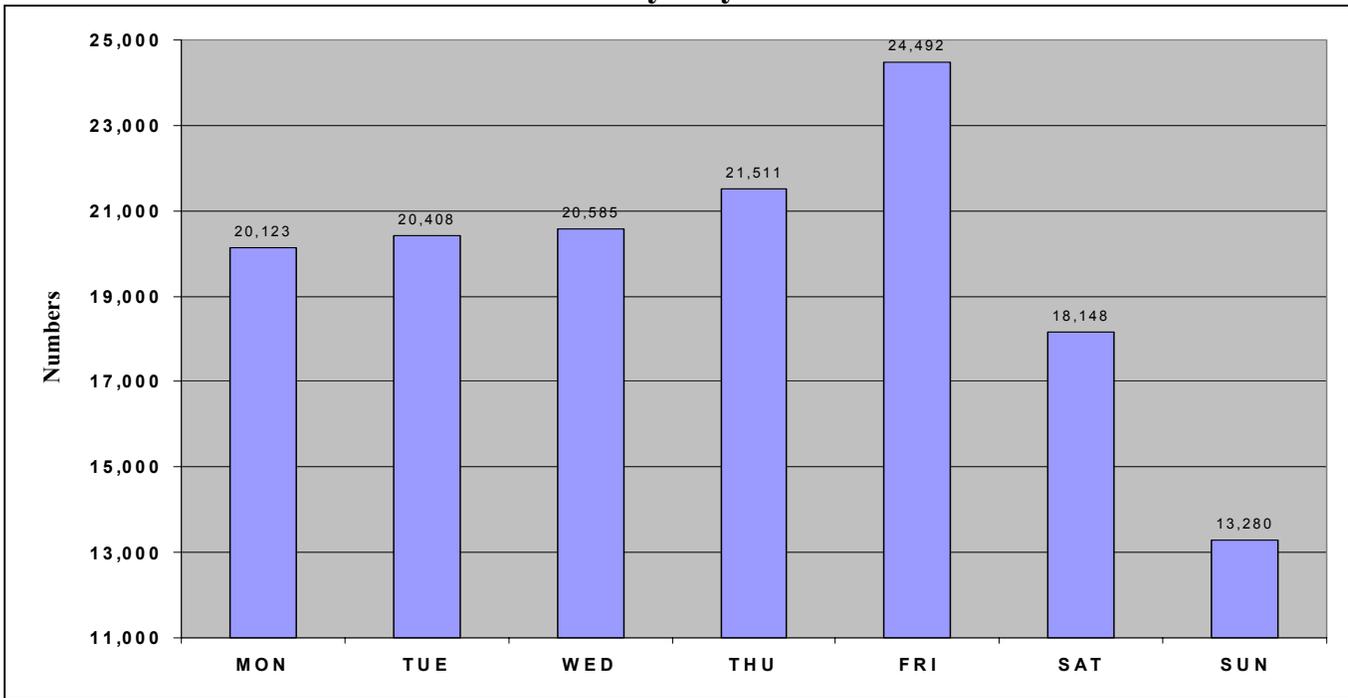


Figure 3 - 6

Fatal Crashes by Day of Week

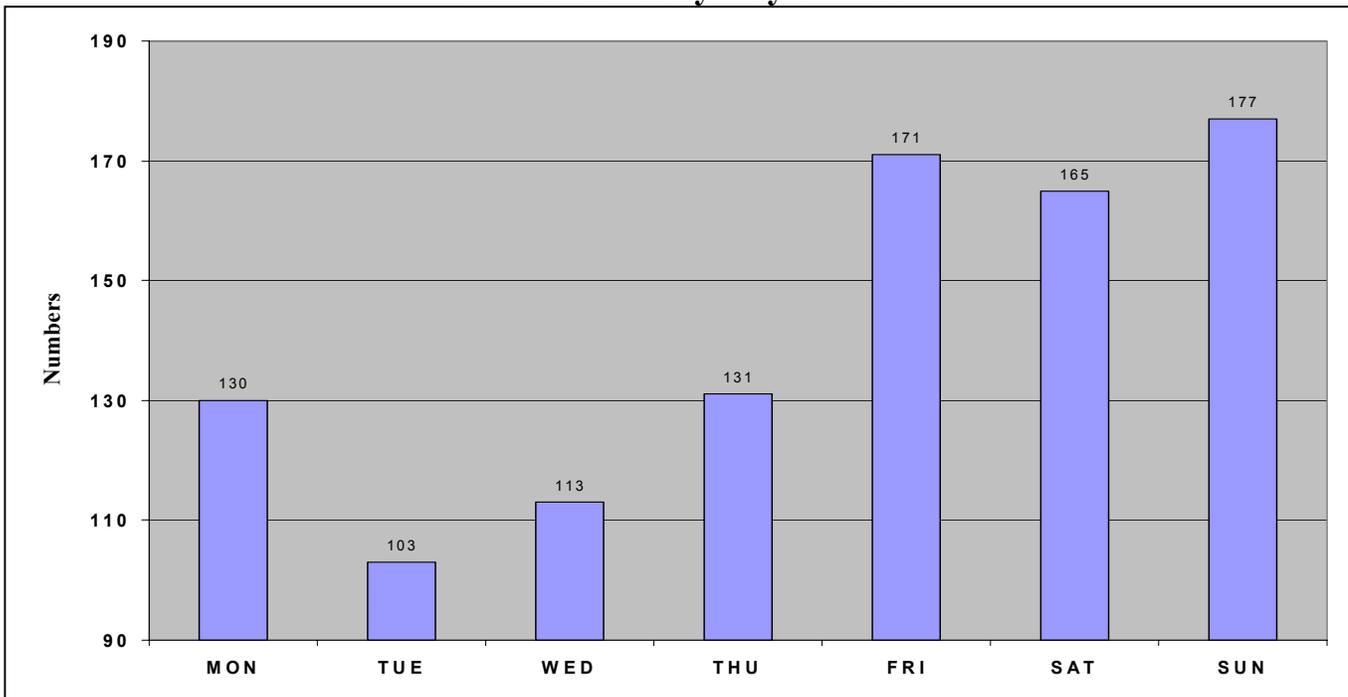


Figure 3 - 7
Crashes by Month

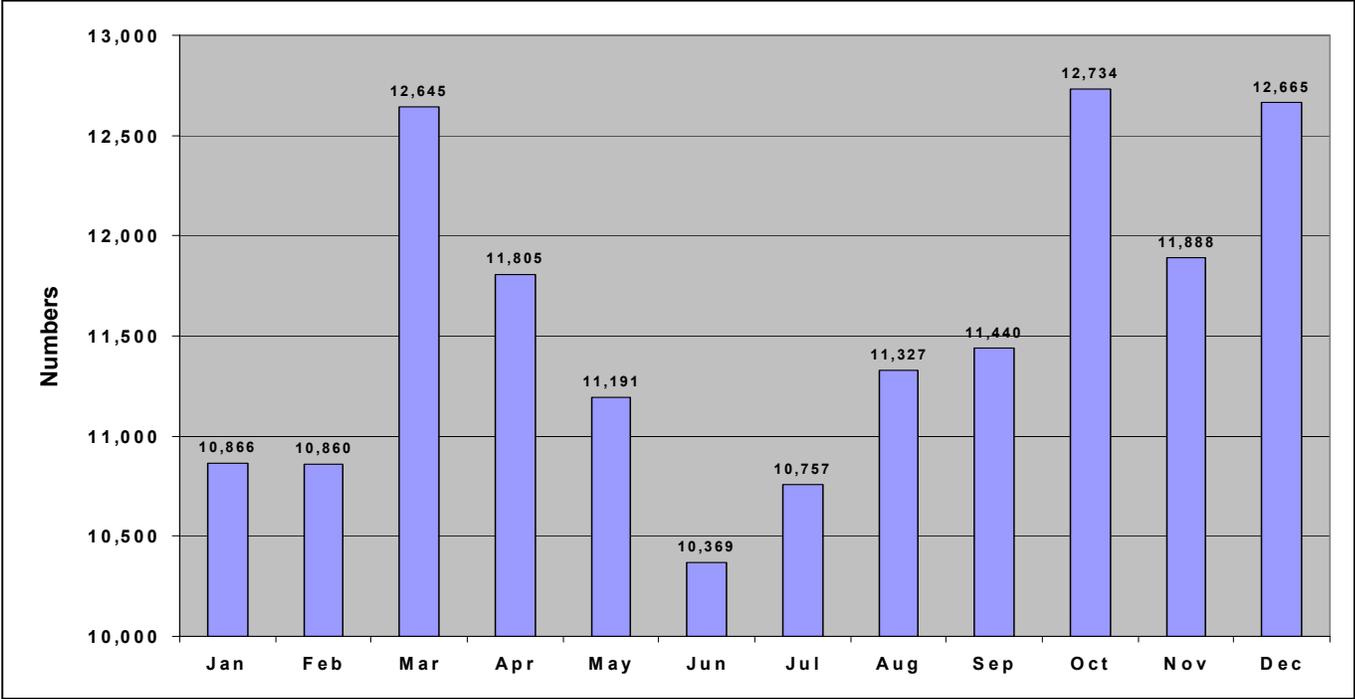
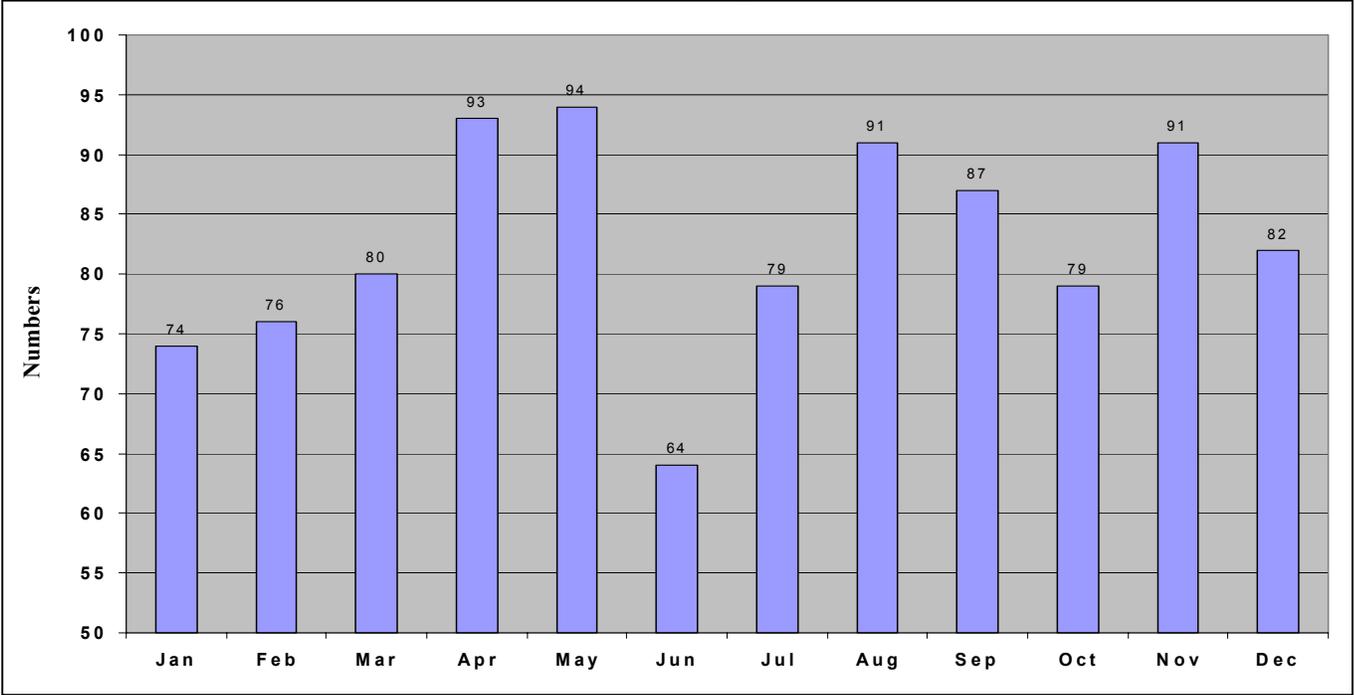


Figure 3 - 8
Fatal Crashes by Month

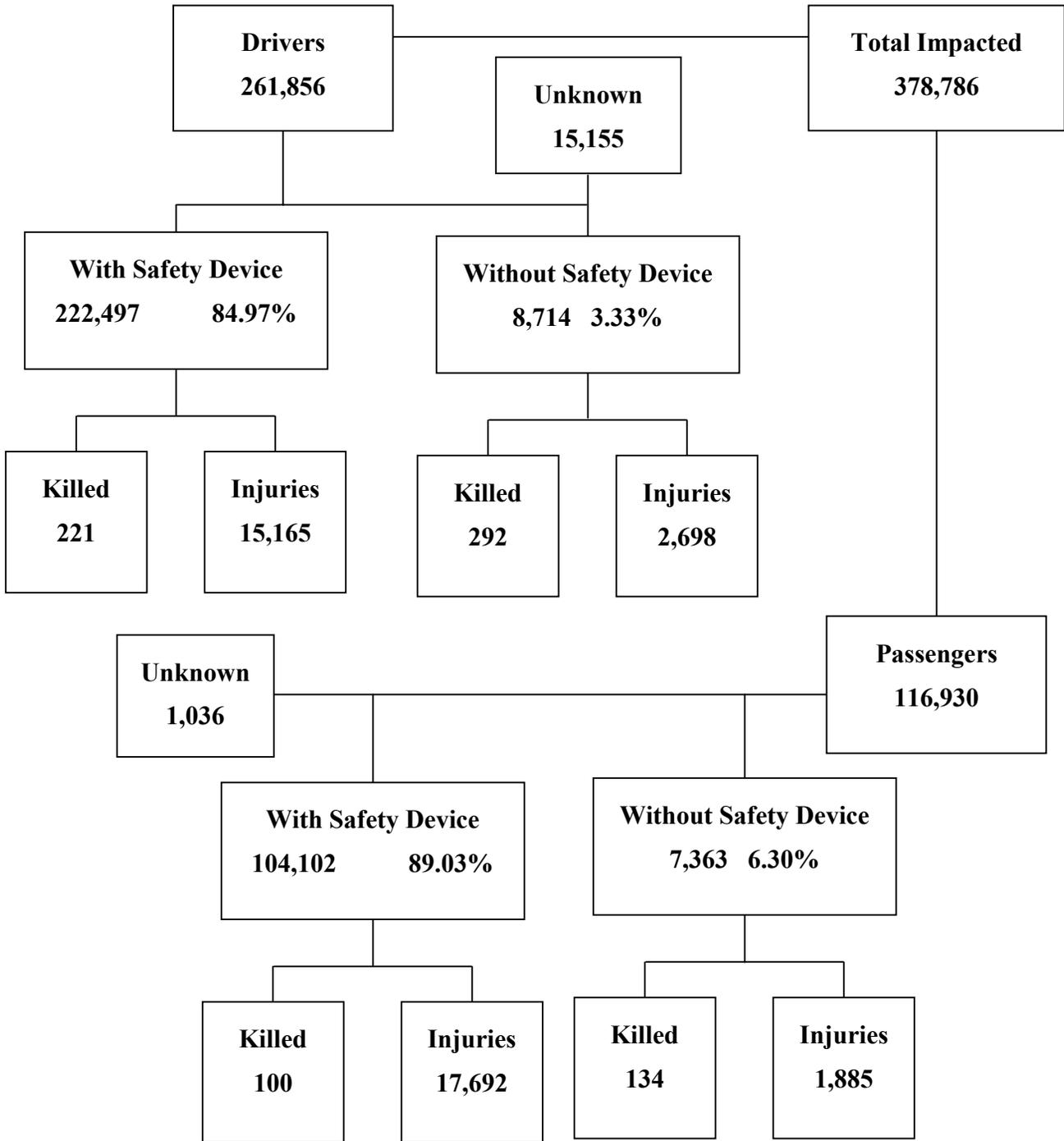


Section 3: Crash Descriptions

Table 3 - 8

Crashes by Hour and Day of Week

| Hour Beginning | Total Crashes | | Monday | | Tuesday | | Wednesday | | Thursday | | Friday | | Saturday | | Sunday | |
|-----------------|----------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|
| | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal |
| MIDNIGHT | 1,955 | 59 | 211 | 6 | 166 | 5 | 155 | 7 | 191 | 5 | 237 | 8 | 504 | 12 | 491 | 16 |
| 1:00 | 2,226 | 35 | 188 | 5 | 146 | 3 | 182 | 2 | 251 | 7 | 266 | 5 | 567 | 2 | 626 | 11 |
| 2:00 | 1,550 | 32 | 142 | 3 | 107 | 1 | 100 | 2 | 179 | 4 | 169 | 3 | 403 | 9 | 450 | 10 |
| 3:00 | 1,115 | 19 | 103 | 5 | 94 | 1 | 80 | 1 | 144 | 1 | 125 | 3 | 275 | 3 | 294 | 5 |
| 4:00 | 1,129 | 25 | 157 | 4 | 113 | 3 | 123 | 4 | 133 | 3 | 140 | 0 | 224 | 3 | 239 | 8 |
| 5:00 | 1,942 | 41 | 309 | 7 | 275 | 6 | 288 | 5 | 328 | 3 | 316 | 10 | 215 | 5 | 211 | 5 |
| 6:00 | 4,001 | 33 | 694 | 4 | 719 | 5 | 719 | 6 | 725 | 2 | 647 | 5 | 297 | 5 | 200 | 6 |
| 7:00 | 7,941 | 40 | 1,473 | 4 | 1,525 | 8 | 1,553 | 11 | 1,423 | 3 | 1,315 | 5 | 399 | 5 | 253 | 4 |
| 8:00 | 7,130 | 24 | 1,259 | 8 | 1,271 | 3 | 1,260 | 2 | 1,296 | 2 | 1,160 | 6 | 536 | 1 | 348 | 2 |
| 9:00 | 5,148 | 26 | 808 | 6 | 809 | 1 | 786 | 2 | 785 | 4 | 810 | 3 | 691 | 7 | 459 | 3 |
| 10:00 | 5,731 | 28 | 864 | 4 | 862 | 3 | 806 | 3 | 842 | 5 | 949 | 4 | 850 | 7 | 558 | 2 |
| 11:00 | 7,056 | 26 | 1,062 | 4 | 994 | 1 | 1,047 | 1 | 1,081 | 5 | 1,164 | 4 | 1,072 | 6 | 636 | 5 |
| NOON | 8,725 | 45 | 1,250 | 5 | 1,316 | 4 | 1,296 | 5 | 1,269 | 9 | 1,471 | 10 | 1,244 | 4 | 879 | 8 |
| 1:00 | 8,602 | 51 | 1,231 | 4 | 1,186 | 6 | 1,279 | 8 | 1,256 | 7 | 1,527 | 10 | 1,276 | 9 | 847 | 7 |
| 2:00 | 9,913 | 58 | 1,497 | 8 | 1,459 | 3 | 1,497 | 5 | 1,546 | 8 | 1,887 | 13 | 1,180 | 11 | 847 | 10 |
| 3:00 | 11,833 | 48 | 1,867 | 5 | 1,942 | 9 | 1,823 | 6 | 1,940 | 6 | 2,223 | 8 | 1,176 | 9 | 862 | 5 |
| 4:00 | 11,947 | 48 | 1,880 | 10 | 1,906 | 3 | 1,827 | 6 | 1,958 | 12 | 2,261 | 5 | 1,246 | 5 | 869 | 7 |
| 5:00 | 11,728 | 52 | 1,750 | 4 | 1,931 | 3 | 1,950 | 4 | 2,027 | 6 | 2,096 | 9 | 1,142 | 10 | 832 | 16 |
| 6:00 | 8,983 | 61 | 1,180 | 8 | 1,349 | 8 | 1,340 | 9 | 1,421 | 4 | 1,706 | 15 | 1,137 | 8 | 850 | 9 |
| 7:00 | 5,585 | 58 | 673 | 7 | 697 | 10 | 753 | 2 | 808 | 10 | 1,079 | 6 | 887 | 10 | 688 | 13 |
| 8:00 | 4,565 | 52 | 536 | 4 | 558 | 6 | 597 | 9 | 626 | 8 | 800 | 6 | 813 | 10 | 635 | 9 |
| 9:00 | 4,009 | 47 | 426 | 7 | 441 | 5 | 504 | 4 | 560 | 8 | 789 | 9 | 745 | 10 | 544 | 4 |
| 10:00 | 3,274 | 47 | 349 | 5 | 325 | 3 | 359 | 6 | 428 | 5 | 737 | 13 | 712 | 7 | 364 | 8 |
| 11:00 | 2,459 | 35 | 214 | 3 | 217 | 3 | 261 | 3 | 294 | 4 | 618 | 11 | 557 | 7 | 298 | 4 |
| TOTAL | 138,547 | 990 | 20,123 | 130 | 20,408 | 103 | 20,585 | 113 | 21,511 | 131 | 24,492 | 171 | 18,148 | 165 | 13,280 | 177 |



In this chart, "Unknown" represents incidents where the reporting officer could not discern whether a safety device was in use at the time of the crash. For this reason fatalities and injuries occurring where use was unknown are not included. Motorcycle operators are included in this chart under "Drivers." "Safety Devices" refer to the use of helmets or safety belts depending on the mode of transportation. For a detailed analysis of motorcycle helmet use, see Section 8: Motorcycle Crashes.

Arizona law requires young children to be restrained when riding in a motor vehicle.

A.R.S. Title 28-907 states "...a person shall not operate a motor vehicle on the highways in this state when transporting a child who is under five years of age unless that child is properly secured in a child passenger restraint system."

Table 4 - 1

Child Restraint Usage (less than five years old)

| Severity of Injury | Restraint Used | Percent of Restraint Used | No Restraint Used | Percent of No Restraint | Not Reported | Percent of Unknown |
|--------------------|----------------|---------------------------|-------------------|-------------------------|--------------|--------------------|
| No Injury | 12,565 | 89.79% | 414 | 63.79% | 413 | 75.92% |
| Possible Injury | 890 | 6.36% | 90 | 13.87% | 50 | 9.19% |
| Injury | 408 | 2.92% | 129 | 19.88% | 45 | 8.27% |
| Fatality | 4 | 0.03% | 4 | 0.62% | 1 | 0.18% |
| Unknown | 126 | 0.90% | 12 | 1.85% | 35 | 6.43% |
| Totals | 13,993 | 100.00% | 649 | 100.00% | 544 | 100.00% |

The most dangerous place for a child to travel in a car is in your lap.

This is often called the "child crusher position." In a crash of approximately 30 mph, a 10 lb infant will be ripped from a belted adult's arms with a force of almost 200 pounds. If the adult is unbelted, the child is likely to be crushed between the adult's body and the dashboard.

Wearing a seat belt isn't just a good idea; in Arizona it's the law.

Table 4 - 2

Driver Restraint Usage

| Severity of Injury | Restraint Used | Percent of Restraint Used | No Restraint Used | Percent of No Restraint | Not Reported | Percent of Unknown |
|--------------------|----------------|---------------------------|-------------------|-------------------------|---------------|--------------------|
| No Injury | 181,278 | 81.47% | 4,438 | 50.93% | 11,207 | 36.57% |
| Possible Injury | 23,854 | 10.72% | 1,049 | 12.04% | 1,715 | 5.60% |
| Injury | 15,165 | 6.82% | 2,698 | 30.96% | 2,462 | 8.03% |
| Fatality | 221 | 0.10% | 292 | 3.35% | 106 | 0.35% |
| Unknown | 1,979 | 0.89% | 237 | 2.72% | 15,155 | 49.45% |
| Totals | 222,497 | 100.00% | 8,714 | 100.00% | 30,645 | 100.00% |

Excludes all motorcycle, motor scooter, moped, and golf cart operators.

In 2004, an estimated 451 children under the age of 5 were saved as a result of child restraint use. An estimated 7,472 lives were saved by child restraints from 1975 through 2004.

Table 4 - 3

Front-Seat Passenger Restraint Usage

| Severity of Injury | Restraint Used | Percent of Restraint Used | No Restraint Used | Percent of No Restraint | Not Reported | Percent of Unknown |
|--------------------|----------------|---------------------------|-------------------|-------------------------|--------------|--------------------|
| No Injury | 48,150 | 80.19% | 1,849 | 52.44% | 1,963 | 64.68% |
| Possible Injury | 6,988 | 11.64% | 543 | 15.40% | 348 | 11.47% |
| Injury | 4,499 | 7.49% | 1,042 | 29.55% | 506 | 16.67% |
| Fatality | 76 | 0.13% | 71 | 2.01% | 17 | 0.56% |
| Unknown | 333 | 0.55% | 21 | 0.60% | 201 | 6.62% |
| Totals | 60,046 | 100.00% | 3,526 | 100.00% | 3,035 | 100.00% |

Excludes data in Table 4-1

Safety belts are the most effective protection in vehicle crashes.

Of passenger vehicle occupants in fatal crashes in 2003, 73% of people who were restrained survived, but of those who were not restrained, only 42% survived.

Table 4 - 4

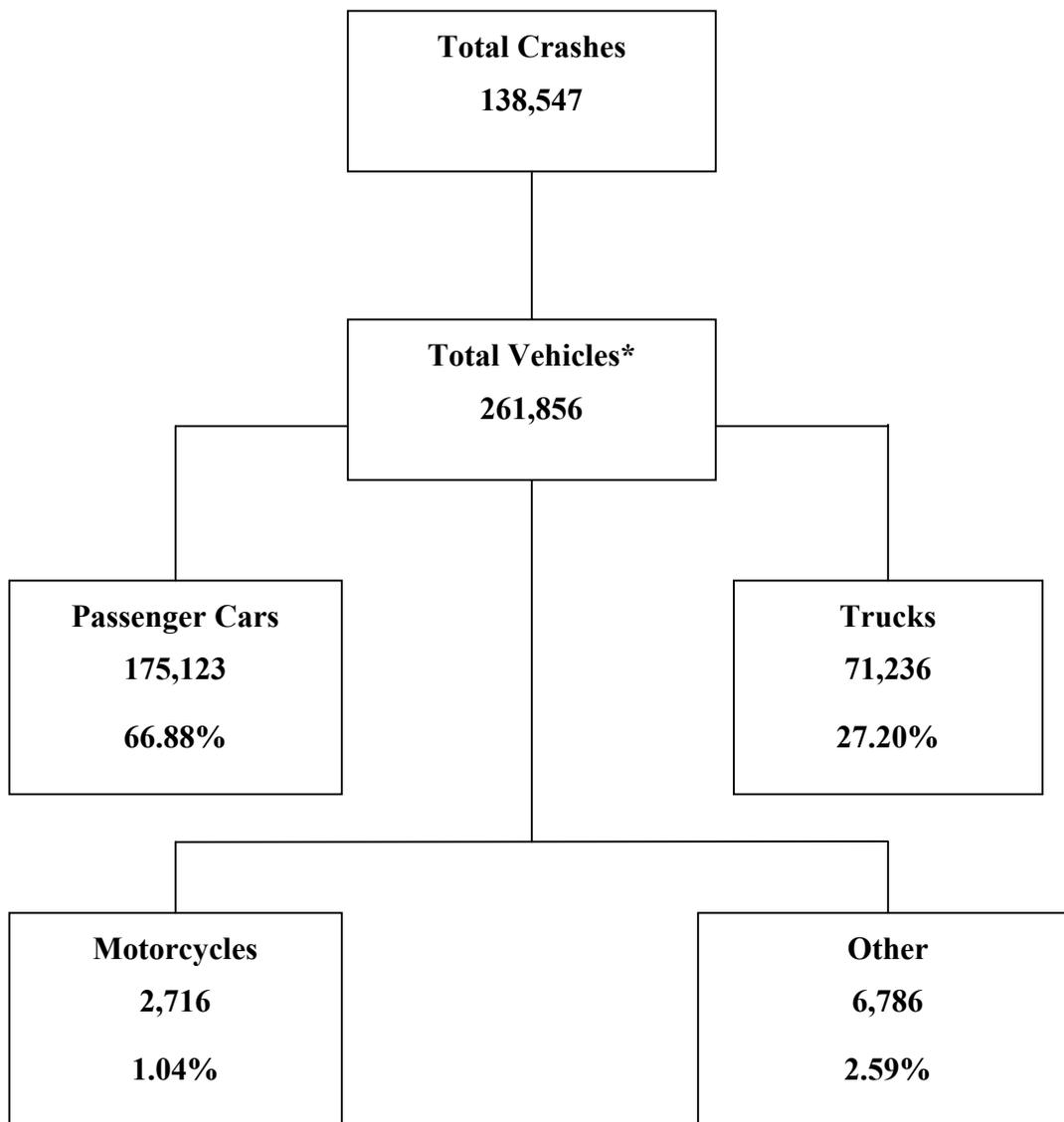
Rear-Seat Passenger Restraint Usage

| Severity of Injury | Restraint Used | Percent of Restraint Used | No Restraint Used | Percent of No Restraint | Not Reported | Percent of Unknown |
|--------------------|----------------|---------------------------|-------------------|-------------------------|--------------|--------------------|
| No Injury | 25,595 | 85.14% | 1,981 | 62.14% | 1,335 | 70.78% |
| Possible Injury | 2,707 | 9.00% | 409 | 12.83% | 183 | 9.70% |
| Injury | 1,566 | 5.21% | 714 | 22.40% | 247 | 13.10% |
| Fatality | 20 | 0.07% | 59 | 1.85% | 13 | 0.69% |
| Unknown | 175 | 0.58% | 25 | 0.78% | 108 | 5.73% |
| Totals | 30,063 | 100.00% | 3,188 | 100.00% | 1,886 | 100.00% |

Excludes data in Table 4-1

Arizona leads the nation in seat belt usage.

Section 5 Motor Vehicle and Driver Descriptions



*Includes driverless or illegally parked vehicles.

Section 5: – Motor Vehicle and Driver Descriptions



Table 5 - 1

Arizona Motor Vehicle Registrations

| | |
|--------------------------|------------------|
| Privately Owned Vehicles | 3,796,365 |
| Commercial Vehicles | 421,482 |
| Buses and Taxis | 3,518 |
| Motorcycles | 98,253 |
| Mopeds | 373 |
| Total | 4,323,838 |

Table 5 - 2

Motor Vehicle Crash Involvement by Vehicle Type

| Motor Vehicle Type | Vehicle Counts | | | | |
|--|----------------|----------------|--------------|---------------|----------------|
| | Total | Percent | Fatal | Injury | PDO |
| Passenger Car (Includes cars with trailer) | 175,123 | 66.88% | 797 | 62,527 | 111,799 |
| Pickup Truck (Incl. Panel & Mini Bus) | 66,967 | 25.57% | 402 | 22,422 | 44,143 |
| Pickup Truck With Camper | 37 | 0.01% | 0 | 13 | 24 |
| Other Vehicle With Camper | 2 | 0.00% | 0 | 0 | 2 |
| Truck or Truck Tractor (Excl. P/U) | 206 | 0.08% | 2 | 46 | 158 |
| Truck Tractor and Semi-Trailer | 4,168 | 1.59% | 68 | 974 | 3,126 |
| Other Truck Combination | 4,232 | 1.62% | 40 | 1,124 | 3,068 |
| Farm Tractor and/or Farm Equipment | 28 | 0.01% | 0 | 11 | 17 |
| Taxicab | 206 | 0.08% | 0 | 71 | 135 |
| Bus | 810 | 0.31% | 9 | 213 | 588 |
| School Bus | 521 | 0.20% | 3 | 118 | 400 |
| Motorcycle (two or three wheel) | 2,716 | 1.04% | 116 | 2,136 | 464 |
| Motorscooter or Motor Bicycle | 52 | 0.02% | 1 | 43 | 8 |
| Moped | 7 | 0.00% | 2 | 5 | 0 |
| Recreational Vehicle | 45 | 0.02% | 2 | 19 | 24 |
| Motor Home or House Car | 341 | 0.13% | 5 | 77 | 259 |
| Vehicle With Special Controls (Dual, Etc.) | 0 | 0.00% | 0 | 0 | 0 |
| Emergency Veh. (Inc. Privately Owned) | 149 | 0.06% | 3 | 48 | 98 |
| Military | 3 | 0.00% | 1 | 2 | 0 |
| Other Types Of Vehicles | 248 | 0.09% | 5 | 101 | 142 |
| Vehicle Type Not Reported | 5,995 | 2.29% | 76 | 1,183 | 4,736 |
| TOTAL | 261,856 | 100.00% | 1,532 | 91,133 | 169,191 |

Table 5 - 3

Hit and Run Drivers

| Hit and Run | Total | Incident Counts | | | Person Counts | |
|--------------|----------------|-----------------|---------------|---------------|---------------|---------------|
| | | Fatal | Injury | PDO | Killed | Injured |
| Yes | 16,476 | 50 | 3,731 | 12,695 | 53 | 5,282 |
| No | 122,071 | 940 | 42,943 | 78,188 | 1,098 | 68,193 |
| TOTAL | 138,547 | 990 | 46,674 | 90,883 | 1,151 | 73,475 |

Table 5 - 4

Gender of Drivers Involved in Crashes

| Gender of Driver | Driver Counts | | | | | |
|------------------|----------------|----------------|--------------|----------------|---------------|----------------|
| | Total | Percent | Fatal | Percent | Injury | Percent |
| Male | 149,840 | 57.22% | 1,047 | 68.34% | 51,612 | 56.63% |
| Female | 101,035 | 38.58% | 408 | 26.63% | 37,579 | 41.24% |
| Not Reported | 10,981 | 4.19% | 77 | 5.03% | 1,942 | 2.13% |
| TOTAL | 261,856 | 100.00% | 1,532 | 100.00% | 91,133 | 100.00% |

Table 5 - 5

Residence of Drivers Involved in Crashes

| Residence of Driver | Total | Percent | Fatal | Percent | Injury | Percent | PDO | Percent |
|---------------------|----------------|----------------|--------------|----------------|---------------|----------------|----------------|----------------|
| Arizona | 205,706 | 78.56% | 1,075 | 70.17% | 73,161 | 80.28% | 131,470 | 77.71% |
| Non-Resident | 56,129 | 21.44% | 457 | 29.83% | 17,964 | 19.71% | 37,708 | 22.29% |
| Not Reported | 21 | 0.01% | 0 | 0.00% | 8 | 0.01% | 13 | 0.01% |
| TOTAL | 261,856 | 100.00% | 1,532 | 100.00% | 91,133 | 100.00% | 169,191 | 100.00% |

Table 5 - 6

Drivers and Occupants Killed and Injured by Vehicle Type

| Motor Vehicle Type | Drivers | | Occupants | |
|--|------------|---------------|------------|---------------|
| | Killed | Injured | Killed | Injured |
| Passenger Car (Includes cars with trailer) | 317 | 34,195 | 218 | 16,846 |
| Pickup Truck (Incl. Panel & Mini Bus) | 139 | 9,761 | 107 | 5,523 |
| Pickup Truck With Camper | 0 | 10 | 0 | 5 |
| Other Vehicle With Camper | 0 | 0 | 0 | 0 |
| Truck or Truck Tractor (Excl. P/U) | 0 | 9 | 1 | 3 |
| Truck Tractor and Semi-Trailer | 9 | 234 | 3 | 57 |
| Other Truck Combination | 7 | 288 | 0 | 90 |
| Farm Tractor and/or Farm Equipment | 0 | 3 | 0 | 0 |
| Taxicab | 0 | 33 | 0 | 29 |
| Bus | 1 | 49 | 6 | 250 |
| School Bus | 0 | 19 | 0 | 95 |
| Motorcycle (two or three wheel) | 106 | 2,072 | 12 | 229 |
| Motorscooter or Motor Bicycle | 1 | 41 | 0 | 6 |
| Moped | 2 | 5 | 0 | 0 |
| Recreational Vehicle | 2 | 14 | 0 | 2 |
| Motor Home or House Car | 1 | 21 | 2 | 20 |
| Vehicle With Special Controls (Dual, Etc.) | 0 | 0 | 0 | 0 |
| Emergency Veh. (Inc. Privately Owned) | 1 | 30 | 0 | 13 |
| Military | 0 | 3 | 1 | 2 |
| Other Types Of Vehicles | 5 | 57 | 0 | 13 |
| Vehicle Type Not Reported | 28 | 99 | 20 | 48 |
| TOTAL | 619 | 46,943 | 370 | 23,231 |

Section 5: – Motor Vehicle and Driver Descriptions

Table 5 - 7

Licensed Drivers in Arizona by Age

| Driver Age Group | Male Number | Percent | Female Number | Percent | Total Number | Percent | Cumulative Percent |
|------------------|------------------|----------------|------------------|----------------|------------------|----------------|--------------------|
| 16 | 11,286 | 0.59% | 10,458 | 0.55% | 21,744 | 0.57% | 0.57% |
| 17 | 18,958 | 1.00% | 17,491 | 0.93% | 36,449 | 0.96% | 1.54% |
| 18 | 24,919 | 1.31% | 23,296 | 1.24% | 48,215 | 1.27% | 2.81% |
| 19 | 27,676 | 1.46% | 26,747 | 1.42% | 54,423 | 1.44% | 4.25% |
| 20 | 28,534 | 1.50% | 27,694 | 1.47% | 56,228 | 1.49% | 5.74% |
| 21 | 30,905 | 1.63% | 30,144 | 1.60% | 61,049 | 1.61% | 7.35% |
| 22 | 31,905 | 1.68% | 31,709 | 1.68% | 63,614 | 1.68% | 9.03% |
| 23 | 33,004 | 1.74% | 33,117 | 1.76% | 66,121 | 1.75% | 10.78% |
| 24 | 34,015 | 1.79% | 33,664 | 1.79% | 67,679 | 1.79% | 12.57% |
| 25-34 | 373,934 | 19.68% | 353,160 | 18.74% | 727,094 | 19.21% | 31.78% |
| 35-44 | 392,203 | 20.65% | 374,755 | 19.88% | 766,958 | 20.27% | 52.05% |
| 45-54 | 353,994 | 18.63% | 362,189 | 19.22% | 716,183 | 18.92% | 70.97% |
| 55-64 | 263,697 | 13.88% | 273,045 | 14.49% | 536,742 | 14.18% | 85.15% |
| 65-74 | 160,308 | 8.44% | 162,155 | 8.60% | 322,463 | 8.52% | 93.67% |
| 75 & Older | 114,290 | 6.02% | 125,113 | 6.64% | 239,403 | 6.33% | 100.00% |
| TOTALS | 1,899,628 | 100.00% | 1,884,737 | 100.00% | 3,784,365 | 100.00% | 100.00% |

Source: MV650653-1, MV708 dated 07/06/2004, ADOT MVD Drivers Licensing System Point-In-Time Driver Credentials Report, All Driver Licenses by Age, Gender and Class.

Table 5 - 8

Driver Involvement by Age

| Driver Age Group | Total | Percent | Fatal | Percent | Injury | Percent | PDO | Percent |
|------------------|----------------|----------------|--------------|----------------|---------------|----------------|----------------|----------------|
| 15 & Under | 881 | 0.34% | 10 | 0.65% | 356 | 0.39% | 515 | 0.30% |
| 16 | 5,061 | 1.93% | 26 | 1.70% | 1,725 | 1.89% | 3,310 | 1.96% |
| 17 | 6,977 | 2.66% | 35 | 2.28% | 2,417 | 2.65% | 4,525 | 2.67% |
| 18 | 8,940 | 3.41% | 43 | 2.81% | 3,226 | 3.54% | 5,671 | 3.35% |
| 19 | 8,592 | 3.28% | 52 | 3.39% | 3,028 | 3.32% | 5,512 | 3.26% |
| 20 | 7,924 | 3.03% | 52 | 3.39% | 2,722 | 2.99% | 5,150 | 3.04% |
| 21 | 8,010 | 3.06% | 52 | 3.39% | 2,915 | 3.20% | 5,043 | 2.98% |
| 22 | 7,591 | 2.90% | 42 | 2.74% | 2,764 | 3.03% | 4,785 | 2.83% |
| 23 | 7,179 | 2.74% | 35 | 2.28% | 2,641 | 2.90% | 4,503 | 2.66% |
| 24 | 6,875 | 2.63% | 44 | 2.87% | 2,448 | 2.69% | 4,383 | 2.59% |
| 25-34 | 55,104 | 21.04% | 288 | 18.80% | 19,663 | 21.58% | 35,153 | 20.78% |
| 35-44 | 46,127 | 17.62% | 267 | 17.43% | 16,496 | 18.10% | 29,364 | 17.36% |
| 45-54 | 35,411 | 13.52% | 222 | 14.49% | 12,698 | 13.93% | 22,491 | 13.29% |
| 55-64 | 21,597 | 8.25% | 130 | 8.49% | 7,700 | 8.45% | 13,767 | 8.14% |
| 65-74 | 10,968 | 4.19% | 73 | 4.77% | 3,853 | 4.23% | 7,042 | 4.16% |
| 75 & Older | 7,700 | 2.94% | 72 | 4.70% | 2,751 | 3.02% | 4,877 | 2.88% |
| Not Reported | 16,919 | 6.46% | 89 | 5.81% | 3,730 | 4.09% | 13,100 | 7.74% |
| TOTAL | 261,856 | 100.00% | 1,532 | 100.00% | 91,133 | 100.00% | 169,191 | 100.00% |

Table 5 - 9

Driver Errors

| Contributing Circumstances | DRIVER COUNTS | | | | | | | |
|--|----------------|--------------------------|--------------|--------------------------|---------------|---------------------------|----------------|------------------------|
| | Total | Percent of Total Drivers | Fatal | Percent of Fatal Drivers | Injury | Percent of Injury Drivers | PDO | Percent of PDO Drivers |
| No Improper Driving | 121,379 | 46.35% | 539 | 35.18% | 44,014 | 48.30% | 76,826 | 45.41% |
| Speeding* | 48,843 | 18.65% | 281 | 18.34% | 17,249 | 18.93% | 31,313 | 18.51% |
| Exceeded Lawful Speed | 1,310 | 0.50% | 112 | 7.31% | 621 | 0.68% | 577 | 0.34% |
| Failed to Yield Right-Of- | 27,143 | 10.37% | 129 | 8.42% | 10,983 | 12.05% | 16,031 | 9.48% |
| Followed Too Closely | 5,012 | 1.91% | 2 | 0.13% | 1,522 | 1.67% | 3,488 | 2.06% |
| Ran Stop Sign | 1,431 | 0.55% | 22 | 1.44% | 624 | 0.68% | 785 | 0.46% |
| Disregarded Traffic Signal | 5,397 | 2.06% | 33 | 2.15% | 2,845 | 3.12% | 2,519 | 1.49% |
| Improper Turn | 4,158 | 1.59% | 9 | 0.59% | 1,018 | 1.12% | 3,131 | 1.85% |
| Drove in Opposing Traffic Lane | 1,440 | 0.55% | 79 | 5.16% | 599 | 0.66% | 762 | 0.45% |
| Operated with Faulty Equipment | 275 | 0.11% | 2 | 0.13% | 71 | 0.08% | 202 | 0.12% |
| Required Motorcycle Safety Equipment N | 17 | 0.01% | 1 | 0.07% | 16 | 0.02% | 0 | 0.00% |
| Pass in No-Passing Zone | 122 | 0.05% | 3 | 0.20% | 36 | 0.04% | 83 | 0.05% |
| Unsafe Lane Change | 7,048 | 2.69% | 7 | 0.46% | 1,140 | 1.25% | 5,901 | 3.49% |
| Other Unsafe Passing | 979 | 0.37% | 5 | 0.33% | 172 | 0.19% | 802 | 0.47% |
| Inattention | 14,635 | 5.59% | 41 | 2.68% | 4,101 | 4.50% | 10,493 | 6.20% |
| Other | 7,921 | 3.02% | 79 | 5.16% | 2,167 | 2.38% | 5,675 | 3.35% |
| Unknown | 14,742 | 5.63% | 188 | 12.27% | 3,952 | 4.34% | 10,602 | 6.27% |
| Not Reported | 4 | 0.00% | 0 | 0.00% | 3 | 0.00% | 1 | 0.00% |
| TOTAL | 261,856 | 100.0% | 1,532 | 100.0% | 91,133 | 100.0% | 169,191 | 100.0% |

* Speeding too fast for conditions

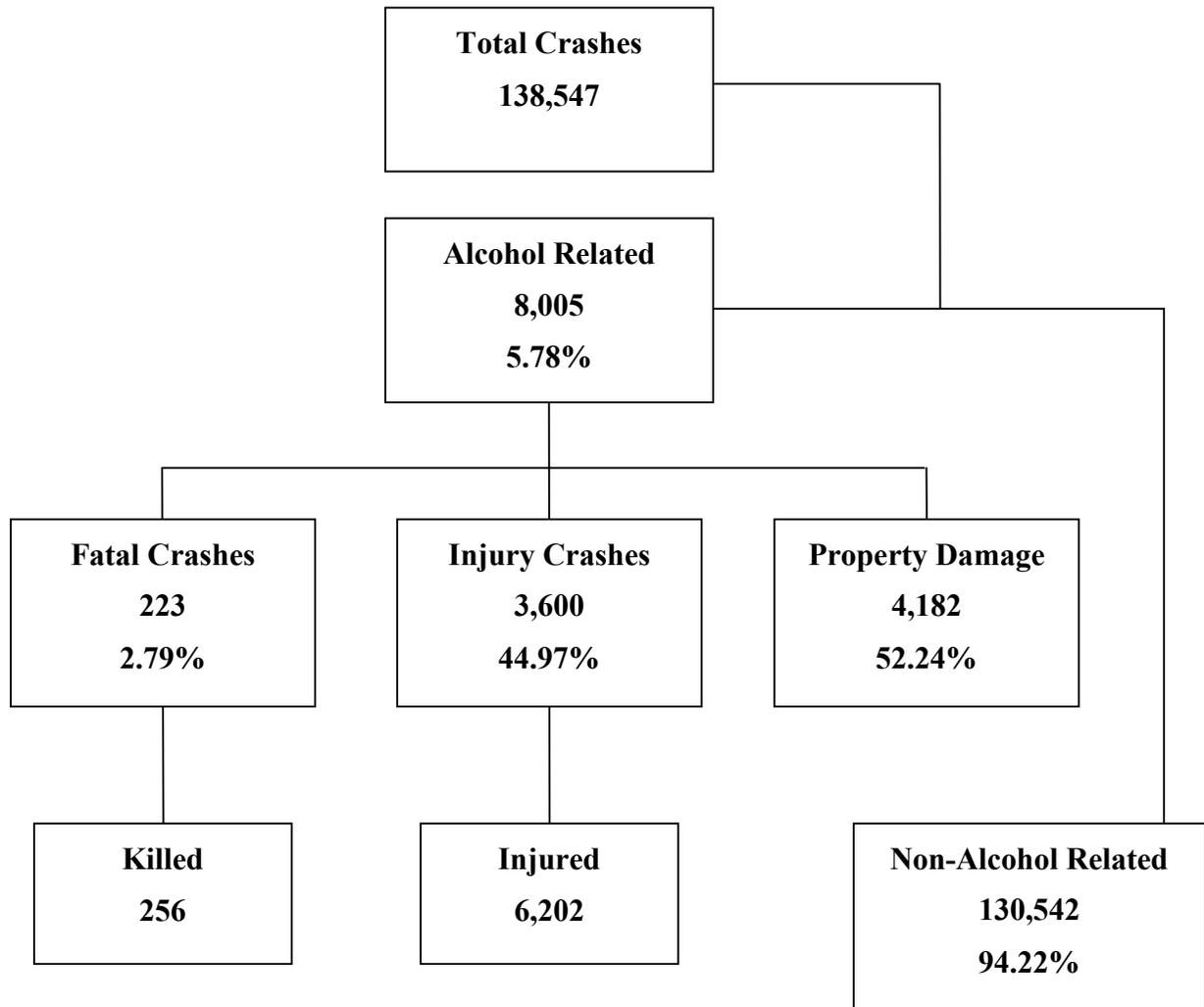
Table 5 - 10

Driver Physical Condition

| Driver Condition | Total Drivers | Percent of Total Drivers | Fatal Drivers | Percent of Fatal Drivers | Injury Drivers | Percent of Injury Drivers | PDO Drivers | Percent of PDO Drivers |
|---|----------------|--------------------------|---------------|--------------------------|----------------|---------------------------|----------------|------------------------|
| Not Reported | 903 | 0.34% | 4 | 0.26% | 321 | 0.35% | 578 | 0.34% |
| No Apparent Influence Had Been Drinking | 225,466 | 86.10% | 858 | 56.01% | 79,094 | 86.79% | 145,514 | 86.01% |
| Appeared to be Under Influence of Drug* | 8,125 | 3.10% | 235 | 15.34% | 3,667 | 4.02% | 4,223 | 2.50% |
| Ill-Ability Influenced | 476 | 0.18% | 38 | 2.48% | 248 | 0.27% | 190 | 0.11% |
| Sleepy-Fatigued | 334 | 0.13% | 7 | 0.46% | 188 | 0.21% | 139 | 0.08% |
| Physical Impairment | 1,567 | 0.60% | 35 | 2.28% | 672 | 0.74% | 860 | 0.51% |
| Prescription Drugs | 341 | 0.13% | 4 | 0.26% | 179 | 0.20% | 158 | 0.09% |
| Other | 280 | 0.11% | 2 | 0.13% | 111 | 0.12% | 167 | 0.10% |
| Other | 1,676 | 0.64% | 7 | 0.46% | 612 | 0.67% | 1,057 | 0.62% |
| Unknown | 22,688 | 8.66% | 342 | 22.32% | 6,041 | 6.63% | 16,305 | 9.64% |
| TOTAL | 261,856 | 100.00% | 1,532 | 100.00% | 91,133 | 100.00% | 169,191 | 100.00% |

*Narcotic or Prescription

Section 5: – Motor Vehicle and Driver Descriptions



Section 6: – Alcohol Related Crashes

The statistics in the Alcohol-Related section represent those crashes where the investigating officer indicated that a driver had been drinking an alcoholic beverage and may or may not be substantiated by a blood or breath test. No assumption is to be made that the person was legally intoxicated (blood alcohol content of 0.08% or higher) at the time the crash took place.

Economic Loss Due to Alcohol-Related Crashes in Arizona for 2004

| | |
|----------------------------------|----------------------|
| Fatalities | \$289,280,000 |
| Incapacitating Injuries | 62,244,000 |
| Non-Incapacitating Injury | 47,949,300 |
| Possible Injury | 27,830,700 |
| Property Damage | 30,946,800 |
| Total | \$458,250,800 |

Table 6 - 1

2000 to 2004 - Alcohol-Related Crashes

| Year | Alcohol-Related Crashes | Percent of all Crashes | Victims Killed | Percent of all Fatalities |
|-------------|--------------------------------|-------------------------------|-----------------------|----------------------------------|
| 2000 | 8,048 | 6.13% | 266 | 25.67% |
| 2001 | 8,095 | 6.15% | 258 | 24.64% |
| 2002 | 8,100 | 6.03% | 274 | 28.13% |
| 2003 | 7,800 | 5.96% | 298 | 26.65% |
| 2004 | 8,005 | 5.78% | 256 | 25.86% |

Table 6 - 2

Manner of Collision in Alcohol-Related Crashes

| Manner of Collision | Total | Percent of All Crashes | Fatal | Percent of Fatal Crashes | Injury | Percent of Injury Crashes |
|------------------------|--------------|------------------------|------------|--------------------------|--------------|---------------------------|
| Not Reported | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| Single Vehicle | 3,637 | 45.43% | 126 | 56.50% | 1,472 | 40.89% |
| Sideswipe (same) | 424 | 5.30% | 5 | 2.24% | 130 | 3.61% |
| Sideswipe (opposite) | 124 | 1.55% | 1 | 0.45% | 67 | 1.86% |
| Angle | 835 | 10.43% | 32 | 14.35% | 457 | 12.69% |
| Left Turn | 602 | 7.52% | 12 | 5.38% | 373 | 10.36% |
| Rear-End | 1,923 | 24.02% | 11 | 4.93% | 902 | 25.06% |
| Head-On | 177 | 2.21% | 25 | 11.21% | 106 | 2.94% |
| Backing | 67 | 0.84% | 0 | 0.00% | 6 | 0.17% |
| Other | 163 | 2.04% | 10 | 4.48% | 61 | 1.69% |
| Driveway/Alley Related | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| Non-Contact (mc) | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| Non-Contact (not mc) | 3 | 0.04% | 1 | 0.45% | 2 | 0.06% |
| U-Turn | 50 | 0.62% | 0 | 0.00% | 24 | 0.67% |
| TOTAL | 8,005 | 100% | 223 | 100% | 3,600 | 100% |

Table 6 - 3

Alcohol-Related Crashes by First Harmful Event

| Statewide | Number of Crashes | | | | Number of Persons | |
|-------------------------------|-------------------|------------|--------------|--------------|-------------------|--------------|
| | TOTAL | FATAL | INJURY | PDO | Killed | Injured |
| Overturning | 428 | 73 | 264 | 91 | 87 | 443 |
| Collision with other MV | 4,272 | 88 | 2,089 | 2,095 | 104 | 4,140 |
| Collision with Pedestrian | 58 | 16 | 42 | 0 | 16 | 50 |
| Collision with Pedalcyclist | 29 | 1 | 25 | 3 | 1 | 26 |
| Collision with MV other Rdway | 2 | 1 | 1 | 0 | 1 | 2 |
| Animal | 10 | 0 | 4 | 6 | 0 | 7 |
| Fixed Object | 2,426 | 35 | 932 | 1,459 | 38 | 1,234 |
| Object in Roadway | 1 | 0 | 1 | 0 | 0 | 1 |
| Other | 504 | 5 | 116 | 383 | 5 | 138 |
| Miscellaneous | 275 | 4 | 126 | 145 | 4 | 161 |
| Not Reported | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 8,005 | 223 | 3,600 | 4,182 | 256 | 6,202 |

Table 6 - 4

Alcohol-Related Crashes by Vehicle Type

| Motor Vehicle Type | Vehicle Counts | | | | |
|--|----------------|----------------|------------|--------------|--------------|
| | Total | Percent | Fatal | Injury | PDO |
| Passenger Car (Includes cars with trailer) | 5,615 | 69.11% | 119 | 2,488 | 3,008 |
| Pickup Truck (Incl. Panel & Mini Bus) | 2,210 | 27.20% | 83 | 987 | 1,140 |
| Pickup Truck With Camper | 1 | 0.01% | 0 | 1 | 0 |
| Other Vehicle With Camper | 0 | 0.00% | 0 | 0 | 0 |
| Truck or Truck Tractor (Excl. P/U) | 0 | 0.00% | 0 | 0 | 0 |
| Truck Tractor and Semi-Trailer | 15 | 0.18% | 1 | 3 | 11 |
| Other Truck Combination | 19 | 0.23% | 1 | 8 | 10 |
| Farm Tractor and/or Farm Equipment | 0 | 0.00% | 0 | 0 | 0 |
| Taxicab | 3 | 0.04% | 0 | 0 | 3 |
| Bus | 1 | 0.01% | 0 | 0 | 1 |
| School Bus | 1 | 0.01% | 0 | 0 | 1 |
| Motorcycle (two or three wheel) | 198 | 2.44% | 27 | 155 | 16 |
| Motorscooter or Motor Bicycle | 5 | 0.06% | 0 | 5 | 0 |
| Moped | 0 | 0.00% | 0 | 0 | 0 |
| Recreational Vehicle | 2 | 0.02% | 0 | 2 | 0 |
| Motor Home or House Car | 3 | 0.04% | 0 | 3 | 0 |
| Vehicle With Special Controls (Dual, Etc.) | 0 | 0.00% | 0 | 0 | 0 |
| Emergency Veh. (Inc. Privately Owned) | 0 | 0.00% | 0 | 0 | 0 |
| Military | 0 | 0.00% | 0 | 0 | 0 |
| Other Types Of Vehicles | 4 | 0.05% | 0 | 3 | 1 |
| Vehicle Type Not Reported | 48 | 0.59% | 4 | 12 | 32 |
| TOTAL | 8,125 | 100.00% | 235 | 3,667 | 4,223 |

Table 6 - 5

Light Conditions - Alcohol-Related Crashes

| Lighting Conditions | Total | Incident Counts | | |
|---------------------|--------------|-----------------|--------------|--------------|
| | | Fatal | Injury | PDO |
| Not Reported | 7 | 2 | 2 | 3 |
| Daylight | 2,060 | 52 | 971 | 1,037 |
| Dawn or Dusk | 378 | 7 | 172 | 199 |
| Darkness | 5,560 | 162 | 2,455 | 2,943 |
| TOTAL | 8,005 | 223 | 3,600 | 4,182 |

Table 6 - 6

Road Surface Conditions - Alcohol-Related Crashes

| Road Surface Conditions | Total | Incident Counts | | |
|------------------------------------|--------------|-----------------|--------------|--------------|
| | | Fatal | Injury | PDO |
| Not Reported, No Unusual Condition | 121 | 8 | 42 | 71 |
| Dry | 7,331 | 199 | 3,358 | 3,774 |
| Wet | 427 | 12 | 153 | 262 |
| Sand, Mud, Dirt, Oil or Gravel | 74 | 3 | 26 | 45 |
| Snow | 16 | 0 | 8 | 8 |
| Slush | 7 | 0 | 1 | 6 |
| Ice | 8 | 0 | 2 | 6 |
| Other | 4 | 0 | 3 | 1 |
| Unknown | 17 | 1 | 7 | 9 |
| TOTAL | 8,005 | 223 | 3,600 | 4,182 |

Table 6 - 7

Age of Driver - Alcohol-Related Crashes

| Driver Age Group | Total | Percent | Fatal | Percent | Injury | Percent |
|---------------------|--------------|----------------|------------|----------------|--------------|----------------|
| 15 and Under | 30 | 0.37% | 2 | 0.85% | 13 | 0.35% |
| 16 | 67 | 0.82% | 3 | 1.28% | 31 | 0.85% |
| 17 | 101 | 1.24% | 5 | 2.13% | 43 | 1.17% |
| 18 | 240 | 2.95% | 8 | 3.40% | 112 | 3.05% |
| 19 | 295 | 3.63% | 6 | 2.55% | 131 | 3.57% |
| 20 | 291 | 3.58% | 13 | 5.53% | 119 | 3.25% |
| 21 | 480 | 5.91% | 14 | 5.96% | 212 | 5.78% |
| 22 | 383 | 4.71% | 14 | 5.96% | 173 | 4.72% |
| 23 | 406 | 5.00% | 8 | 3.40% | 191 | 5.21% |
| 24 | 385 | 4.74% | 16 | 6.81% | 159 | 4.34% |
| 25-34 | 2,294 | 28.23% | 56 | 23.83% | 1,013 | 27.62% |
| 35-44 | 1,415 | 17.42% | 41 | 17.45% | 676 | 18.43% |
| 45-54 | 950 | 11.69% | 20 | 8.51% | 450 | 12.27% |
| 55-64 | 392 | 4.82% | 13 | 5.53% | 192 | 5.24% |
| 65-74 | 127 | 1.56% | 6 | 2.55% | 60 | 1.64% |
| 75 and Older | 62 | 0.76% | 3 | 1.28% | 18 | 0.49% |
| Not Stated | 207 | 2.55% | 7 | 2.98% | 74 | 2.02% |
| TOTAL | 8,125 | 100.00% | 235 | 100.00% | 3,667 | 100.00% |

In total crashes across the state, 57.22% of the drivers were males. When alcohol was involved, males accounted for 79.38% of the drivers.

Table 6 - 8

Driver Gender - Alcohol-Related Crashes

| Driver Gender | Driver Counts | | | | | |
|-------------------|---------------|----------------|--------------------|----------------|---------------------|----------------|
| | Total | Percent | In Fatal Incidents | Percent | In Injury Incidents | Percent |
| MALE | 6,450 | 79.38% | 206 | 87.66% | 2,913 | 79.44% |
| FEMALE | 1,595 | 19.63% | 28 | 11.91% | 731 | 19.93% |
| NOT STATED | 80 | 0.98% | 1 | 0.43% | 23 | 0.63% |
| TOTAL | 8,125 | 100.00% | 235 | 100.00% | 3,667 | 100.00% |

NHTSA estimates that alcohol was involved in 39% of fatal crashes and in 7% of all crashes in 2004.

Table 6 - 9

Safety Restraints - Drinking Drivers

| Injury | Not Reported | None Used | Lap Belt | Lap & Shoulder | Passive Belt | Passive & Lap | Airbag Deployed | Child Restraint | Protective Helmet | Other |
|----------------------------------|--------------|--------------|-----------|----------------|--------------|---------------|-----------------|-----------------|-------------------|-----------|
| Fatal | 20 | 88 | 0 | 14 | 0 | 0 | 0 | 0 | 1 | 0 |
| Incapacitating | 143 | 220 | 5 | 110 | 1 | 1 | 0 | 0 | 6 | 1 |
| No Injury | 1,568 | 546 | 25 | 3,169 | 7 | 10 | 0 | 0 | 1 | 3 |
| Non-Incapacitating Injury | 300 | 327 | 12 | 499 | 0 | 4 | 0 | 0 | 9 | 3 |
| Not Reported | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Possible Injury | 213 | 134 | 2 | 404 | 1 | 1 | 0 | 0 | 4 | 2 |
| Unknown | 203 | 14 | 0 | 53 | 0 | 0 | 0 | 0 | 0 | 1 |
| All | 2,447 | 1,329 | 44 | 4,249 | 9 | 16 | 0 | 0 | 21 | 10 |

Table 6 - 10

Persons Killed and Injured in Alcohol-Related Crashes

| Victims Age | Person Killed | | | Person Injured | | | |
|----------------|---------------|------------|-----------|----------------|--------------|--------------|----------------|
| | Total | Male | Female | Total | Male | Female | Sex Unknown |
| 0--4 | 3 | 1 | 2 | 130 | 74 | 56 | 0 |
| 05--09 | 2 | 2 | 0 | 135 | 63 | 72 | 0 |
| 10--14 | 7 | 0 | 7 | 170 | 88 | 82 | 0 |
| 15--19 | 34 | 29 | 5 | 819 | 481 | 337 | 1 |
| 20--24 | 60 | 48 | 12 | 1,317 | 908 | 409 | 0 |
| 25--34 | 44 | 34 | 10 | 1,464 | 996 | 467 | 1 |
| 35--44 | 46 | 34 | 12 | 952 | 586 | 365 | 1 |
| 45--54 | 31 | 25 | 6 | 641 | 386 | 254 | 1 |
| 55--64 | 10 | 9 | 1 | 295 | 169 | 126 | 0 |
| 65--74 | 11 | 7 | 4 | 113 | 78 | 35 | 0 |
| 75 OR> | 8 | 7 | 1 | 109 | 71 | 34 | 4 |
| OTHER | 0 | 0 | 0 | 57 | 29 | 24 | 4 |
| TOTAL | 256 | 196 | 60 | 6,202 | 3,929 | 2,261 | 12 |

Table 6 - 11

When Alcohol-Related Crashes Occurred in 2004

| | Total | Weekday* | Weekend |
|--------------|--------------|--------------|--------------|
| Daytime** | 1,948 | 1,145 | 803 |
| Nighttime | 6057 | 2,304 | 3,753 |
| Total | 8,005 | 3,449 | 4,556 |

*Weekend begins at 6:00 p.m. on Friday and continues through 6:00 a.m. Monday.
All other times and days are considered Weekdays.

**Daytime refers to the hours between 6:00 a.m. and 6:00 p.m.

Chart 6 - 1

Alcohol-Related Crashes

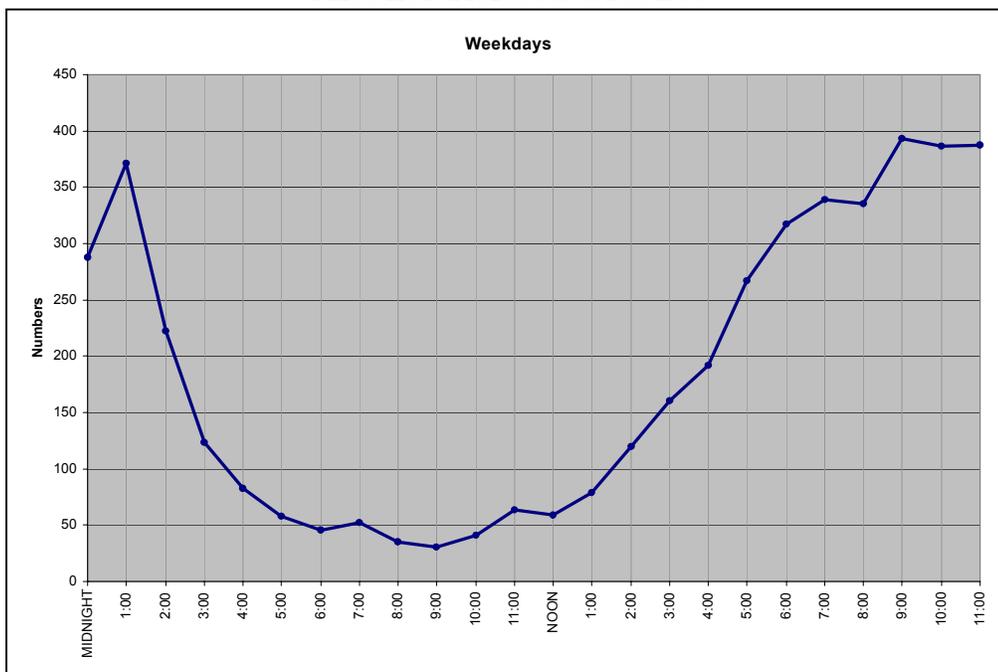


Chart 6 - 2

Alcohol-Related Crashes

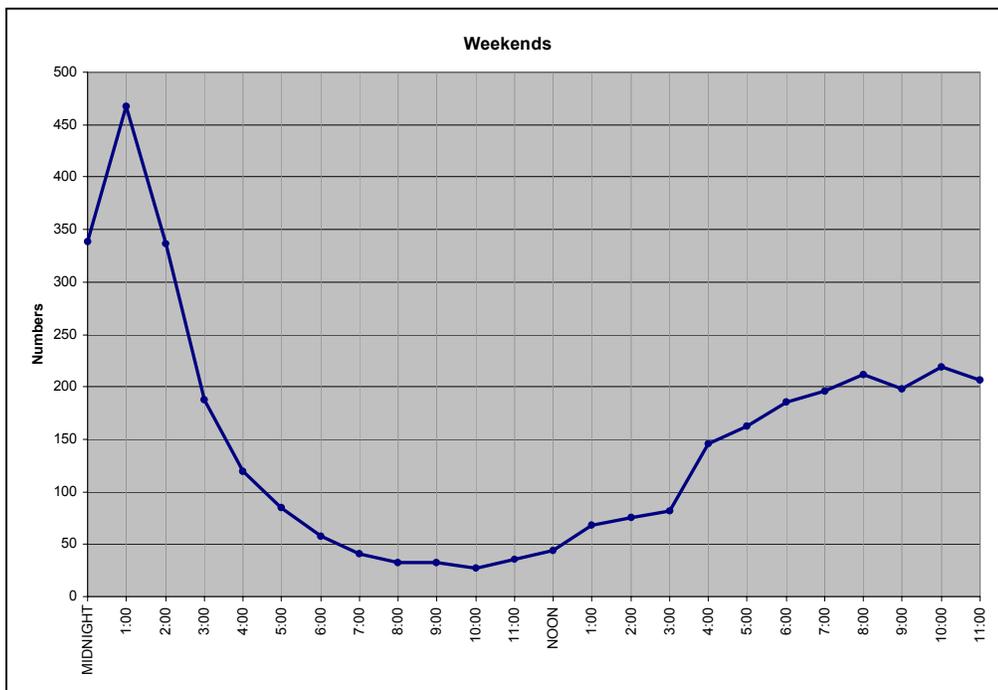


Chart 6 - 3

Fatal Alcohol-Related Crashes

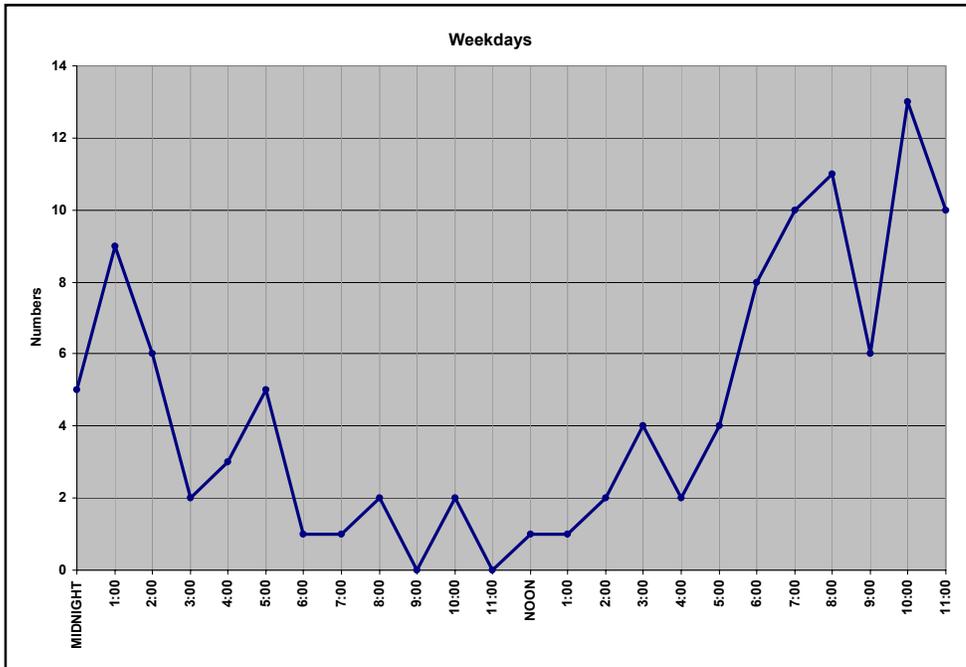


Chart 6 - 4

Fatal Alcohol-Related Crashes

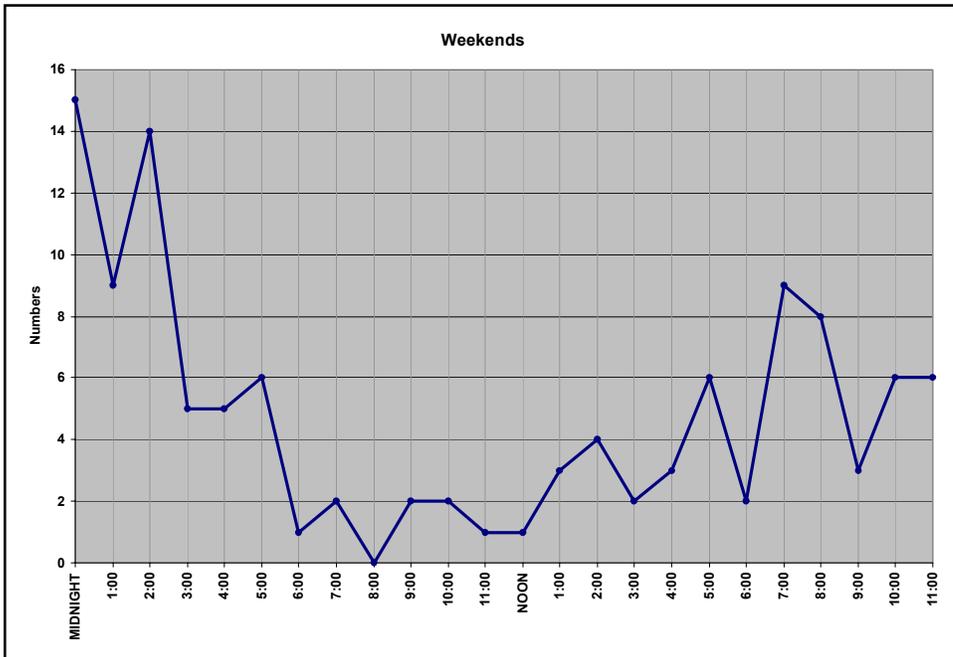


Table 6 - 12

Alcohol-Related Crashes

Injury Severity by Hour and Day of Week

| Hour Beginning | Total Crashes | | Monday | | Tuesday | | Wednesday | | Thursday | | Friday | | Saturday | | Sunday | |
|----------------|---------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
| | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal |
| MIDNIGHT | 627 | 20 | 62 | 0 | 45 | 1 | 45 | 2 | 52 | 0 | 84 | 2 | 171 | 7 | 168 | 8 |
| 1:00 | 839 | 18 | 66 | 3 | 39 | 1 | 65 | 1 | 94 | 2 | 107 | 2 | 241 | 2 | 227 | 7 |
| 2:00 | 559 | 20 | 34 | 0 | 28 | 1 | 24 | 0 | 71 | 4 | 65 | 1 | 158 | 6 | 179 | 8 |
| 3:00 | 311 | 7 | 22 | 1 | 14 | 0 | 21 | 0 | 35 | 1 | 31 | 0 | 88 | 2 | 100 | 3 |
| 4:00 | 203 | 8 | 17 | 2 | 16 | 0 | 11 | 1 | 17 | 0 | 22 | 0 | 51 | 1 | 69 | 4 |
| 5:00 | 143 | 11 | 12 | 1 | 6 | 0 | 10 | 0 | 13 | 1 | 17 | 3 | 48 | 2 | 37 | 4 |
| 6:00 | 104 | 2 | 9 | 0 | 8 | 1 | 12 | 0 | 7 | 0 | 10 | 0 | 28 | 0 | 30 | 1 |
| 7:00 | 93 | 3 | 12 | 0 | 5 | 0 | 11 | 0 | 15 | 1 | 9 | 0 | 25 | 1 | 16 | 1 |
| 8:00 | 67 | 2 | 6 | 2 | 9 | 0 | 9 | 0 | 7 | 0 | 4 | 0 | 17 | 0 | 15 | 0 |
| 9:00 | 62 | 2 | 6 | 0 | 7 | 0 | 4 | 0 | 8 | 0 | 5 | 0 | 21 | 2 | 11 | 0 |
| 10:00 | 68 | 4 | 12 | 0 | 9 | 0 | 8 | 0 | 4 | 1 | 8 | 1 | 15 | 1 | 12 | 1 |
| 11:00 | 100 | 1 | 17 | 0 | 11 | 0 | 13 | 0 | 9 | 0 | 14 | 0 | 21 | 0 | 15 | 1 |
| NOON | 103 | 2 | 16 | 0 | 7 | 0 | 8 | 0 | 12 | 0 | 16 | 1 | 23 | 0 | 21 | 1 |
| 1:00 | 147 | 4 | 16 | 0 | 10 | 0 | 18 | 0 | 19 | 1 | 16 | 0 | 38 | 2 | 30 | 1 |
| 2:00 | 195 | 6 | 24 | 0 | 16 | 0 | 17 | 0 | 29 | 1 | 34 | 1 | 51 | 3 | 24 | 1 |
| 3:00 | 242 | 6 | 31 | 0 | 27 | 1 | 27 | 1 | 36 | 1 | 39 | 1 | 45 | 1 | 37 | 1 |
| 4:00 | 338 | 5 | 33 | 0 | 33 | 0 | 30 | 2 | 41 | 0 | 55 | 0 | 74 | 0 | 72 | 3 |
| 5:00 | 429 | 10 | 35 | 1 | 53 | 0 | 54 | 0 | 41 | 0 | 84 | 3 | 96 | 1 | 66 | 5 |
| 6:00 | 503 | 10 | 45 | 1 | 51 | 1 | 53 | 3 | 69 | 0 | 99 | 3 | 100 | 1 | 86 | 1 |
| 7:00 | 535 | 19 | 65 | 2 | 41 | 2 | 57 | 1 | 61 | 5 | 115 | 0 | 98 | 5 | 98 | 4 |
| 8:00 | 547 | 19 | 57 | 3 | 40 | 1 | 64 | 4 | 69 | 3 | 105 | 0 | 115 | 4 | 97 | 4 |
| 9:00 | 591 | 9 | 52 | 0 | 41 | 0 | 75 | 2 | 73 | 3 | 152 | 1 | 103 | 3 | 95 | 0 |
| 10:00 | 605 | 19 | 60 | 3 | 47 | 1 | 73 | 3 | 69 | 1 | 137 | 5 | 140 | 3 | 79 | 3 |
| 11:00 | 594 | 16 | 34 | 0 | 56 | 2 | 57 | 2 | 63 | 0 | 177 | 6 | 127 | 4 | 80 | 2 |
| TOTAL | 8,005 | 223 | 743 | 19 | 619 | 12 | 766 | 22 | 914 | 25 | 1,405 | 30 | 1,894 | 51 | 1,664 | 64 |

Section 6: – Alcohol Related Crashes



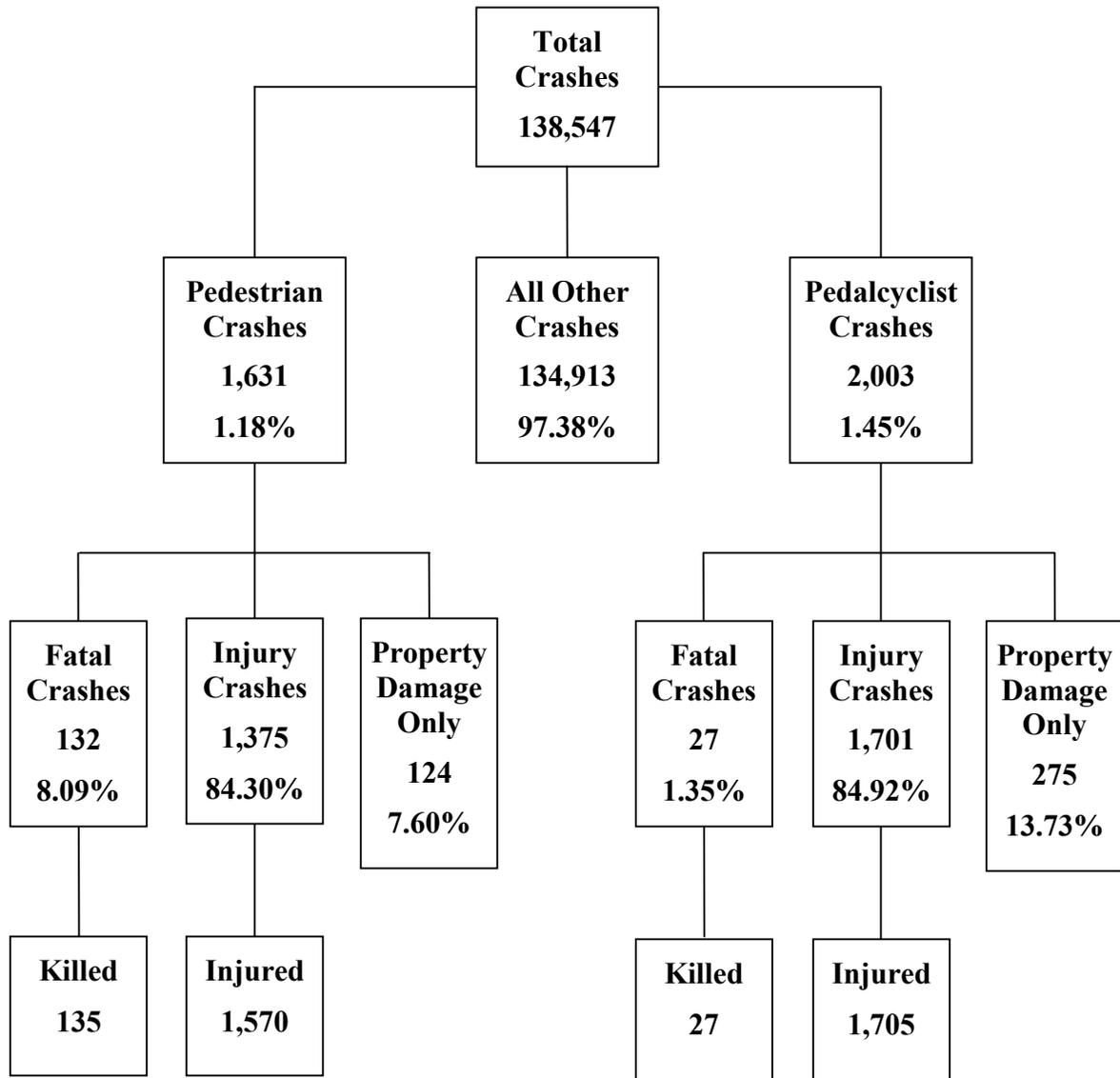


Table 7 - 1

Pedestrians By Age and Gender

| Victims of Motor Vehicle Crashes | | | | | | | | |
|----------------------------------|----------------|-----------|-----------|----------|-----------------|------------|------------|-------------|
| Age Group | Persons Killed | | | | Persons Injured | | | |
| | Total Killed | Male | Female | Sex Unk. | Total Injured | Male | Female | Sex Unknown |
| 0--4 | 1 | 0 | 1 | 0 | 43 | 29 | 14 | 0 |
| 05--09 | 1 | 1 | 0 | 0 | 117 | 73 | 43 | 1 |
| 10--14 | 4 | 2 | 2 | 0 | 150 | 100 | 50 | 0 |
| 15--19 | 7 | 4 | 2 | 1 | 184 | 103 | 80 | 1 |
| 20--24 | 14 | 10 | 4 | 0 | 145 | 92 | 53 | 0 |
| 25--34 | 14 | 9 | 5 | 0 | 195 | 116 | 79 | 0 |
| 35--44 | 20 | 16 | 4 | 0 | 224 | 142 | 82 | 0 |
| 45--54 | 28 | 23 | 5 | 0 | 196 | 128 | 68 | 0 |
| 55--64 | 16 | 13 | 3 | 0 | 97 | 59 | 38 | 0 |
| 65--74 | 7 | 4 | 3 | 0 | 57 | 37 | 20 | 0 |
| 75 & Older | 15 | 9 | 6 | 0 | 49 | 28 | 21 | 0 |
| OTHER | 8 | 6 | 2 | 0 | 113 | 78 | 32 | 3 |
| TOTAL | 135 | 97 | 37 | 1 | 1,570 | 985 | 580 | 5 |

Table 7 - 2

Pedestrian Crashes

| Statewide | Total | Urban | Rural |
|-----------------------------|-------|-------|-------|
| Number of Crashes | 1,631 | 1,490 | 141 |
| Persons Killed | 135 | 93 | 42 |
| Persons Injured | 1,570 | 1,456 | 114 |
| Property Damage Only | 124 | 111 | 13 |

Table 7 - 3

Pedestrian Crash History

| Number of Pedestrians | | |
|-----------------------|-------|--------|
| Year | Fatal | Injury |
| 2000 | 137 | 1,637 |
| 2001 | 166 | 1,509 |
| 2002 | 158 | 1,481 |
| 2003 | 126 | 1,528 |
| 2004 | 135 | 1,570 |

Across the U.S., approximately 68,000 pedestrians were injured and 4,641 were killed in traffic crashes, representing 2.4% of all the people injured and 10.9% of all traffic fatalities.

Section 7: – Pedestrian and Pedalcyclist Crashes

Table 7 - 4

Pedestrians Killed

| Pedestrian Action | Total | 0--4 | 5--9 | 10--14 | 15--19 | 20--24 | 25--44 | 44--64 | 65 & Older | Not Reported |
|-------------------------|------------|----------|----------|----------|----------|-----------|-----------|-----------|------------|--------------|
| Not Reported | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Crossing Road | 85 | 0 | 0 | 4 | 3 | 6 | 19 | 29 | 24 | 0 |
| Walking With Traffic | 7 | 0 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 0 |
| Walking Against Traffic | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 |
| Standing | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 |
| Lying | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
| Getting on/off Vehicle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Working on/pushing Veh | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 |
| Working on Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 11 | 0 | 1 | 0 | 1 | 2 | 4 | 2 | 1 | 0 |
| Unknown | 18 | 1 | 0 | 0 | 3 | 2 | 3 | 6 | 3 | 0 |
| TOTAL | 135 | 1 | 1 | 4 | 7 | 14 | 34 | 44 | 30 | 0 |

Table 7 - 5

Pedestrians Injured

| Pedestrian Action | Total | 0--4 | 5--9 | 10--14 | 15--19 | 20--24 | 25--44 | 44--64 | 65 & Older | Not Reported |
|-------------------------|--------------|-----------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Not Reported | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Crossing Road | 900 | 34 | 78 | 88 | 106 | 76 | 239 | 162 | 115 | 2 |
| Walking With Traffic | 66 | 0 | 1 | 5 | 12 | 7 | 22 | 14 | 5 | 0 |
| Walking Against Traffic | 108 | 0 | 5 | 10 | 16 | 10 | 29 | 18 | 20 | 0 |
| Standing | 80 | 2 | 2 | 7 | 7 | 12 | 30 | 10 | 10 | 0 |
| Lying | 4 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 0 |
| Getting on/off Vehicle | 13 | 0 | 1 | 2 | 1 | 2 | 3 | 3 | 1 | 0 |
| Working on/pushing Veh | 10 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 3 | 0 |
| Working on Road | 16 | 0 | 1 | 2 | 0 | 2 | 7 | 4 | 0 | 0 |
| Other | 263 | 4 | 21 | 27 | 31 | 25 | 62 | 51 | 42 | 0 |
| Unknown | 110 | 3 | 8 | 9 | 9 | 11 | 22 | 27 | 21 | 0 |
| TOTAL | 1,570 | 43 | 117 | 150 | 184 | 145 | 419 | 293 | 217 | 2 |

Table 7 - 6

Pedestrian Physical Condition

| Physical Condition | Total | Percent of Total Peds | Fatal | Percent of Fatal Peds | Injury | Percent of Injury Peds | PDO | Percent of PDO Peds | All Others | Percent of All Others |
|-----------------------------------|--------------|-----------------------|------------|-----------------------|--------------|------------------------|-----------|---------------------|------------|-----------------------|
| Not Reported | 52 | 2.85% | 1 | 0.74% | 47 | 2.99% | 3 | 3.03% | 1 | 5.00% |
| No Apparent Influence | 1,086 | 59.54% | 35 | 25.93% | 976 | 62.17% | 71 | 71.72% | 4 | 20.00% |
| Had Been Drinking | 246 | 13.49% | 34 | 25.19% | 205 | 13.06% | 5 | 5.05% | 2 | 10.00% |
| Appeared to be Under Influence of | 10 | 0.55% | 4 | 2.96% | 6 | 0.38% | 0 | 0.00% | 0 | 0.00% |
| Ill-Ability Influenced | 1 | 0.05% | 0 | 0.00% | 1 | 0.06% | 0 | 0.00% | 0 | 0.00% |
| Sleepy-Fatigued | 2 | 0.11% | 1 | 0.74% | 1 | 0.06% | 0 | 0.00% | 0 | 0.00% |
| Physical Impairment | 23 | 1.26% | 3 | 2.22% | 17 | 1.08% | 3 | 3.03% | 0 | 0.00% |
| Prescription Drugs | 2 | 0.11% | 0 | 0.00% | 2 | 0.13% | 0 | 0.00% | 0 | 0.00% |
| Other | 44 | 2.41% | 1 | 0.74% | 37 | 2.36% | 6 | 6.06% | 0 | 0.00% |
| Unknown | 358 | 19.63% | 56 | 41.48% | 278 | 17.71% | 11 | 11.11% | 13 | 65.00% |
| TOTAL | 1,824 | 100.00% | 135 | 100.00% | 1,570 | 100.00% | 99 | 100.00% | 20 | 100.00% |

Table 7 - 7

Lighting Conditions - Pedestrian Crashes

| Lighting Conditions | Total | Incident Counts | | |
|---------------------|--------------|-----------------|--------------|------------|
| | | Fatal | Injury | PDO |
| Not Reported | 9 | 5 | 4 | 0 |
| Daylight | 899 | 29 | 806 | 64 |
| Dawn or Dusk | 128 | 10 | 110 | 8 |
| Darkness | 666 | 93 | 544 | 29 |
| TOTAL | 1,702 | 137 | 1,464 | 101 |

Table 7 - 8

Weather Conditions - Pedestrian Crashes

| Weather Conditions | Total | Number of Crashes | | |
|--------------------------------|--------------|-------------------|--------------|------------|
| | | Fatal | Injury | PDO |
| Not Reported | 20 | 13 | 6 | 1 |
| Clear | 1,441 | 103 | 1,247 | 91 |
| Cloudy | 179 | 15 | 160 | 4 |
| Sleet/Hail | 2 | 0 | 2 | 0 |
| Rain | 53 | 5 | 43 | 5 |
| Snow | 2 | 0 | 2 | 0 |
| Severe Crosswinds | 0 | 0 | 0 | 0 |
| Blowing Sand, Soil, Dirt, Snow | 5 | 1 | 4 | 0 |
| Fog, Smog, Smoke | 0 | 0 | 0 | 0 |
| TOTAL | 1,702 | 137 | 1,464 | 101 |

Table 7 - 9

Pedalcyclists by Age and Gender

| Age Group | Persons Killed | | | | Persons Injured | | | |
|--------------|----------------|-----------|----------|-------------|-----------------|--------------|------------|-------------|
| | Total | Male | Female | Sex Unknown | Total | Male | Female | Sex Unknown |
| 0--4 | 0 | 0 | 0 | 0 | 5 | 3 | 2 | 0 |
| 05--09 | 1 | 1 | 0 | 0 | 91 | 71 | 20 | 0 |
| 10--14 | 1 | 0 | 1 | 0 | 301 | 248 | 52 | 1 |
| 15--19 | 2 | 1 | 1 | 0 | 249 | 205 | 44 | 0 |
| 20--24 | 0 | 0 | 0 | 0 | 184 | 139 | 45 | 0 |
| 25--34 | 4 | 4 | 0 | 0 | 234 | 165 | 69 | 0 |
| 35--44 | 5 | 5 | 0 | 0 | 221 | 178 | 43 | 0 |
| 45--54 | 5 | 3 | 2 | 0 | 226 | 183 | 43 | 0 |
| 55--64 | 3 | 3 | 0 | 0 | 82 | 70 | 12 | 0 |
| 65--74 | 5 | 5 | 0 | 0 | 34 | 30 | 4 | 0 |
| 75 & Older | 1 | 1 | 0 | 0 | 11 | 11 | 0 | 0 |
| Not Reported | 0 | 0 | 0 | 0 | 67 | 49 | 16 | 2 |
| TOTAL | 27 | 23 | 4 | 0 | 1,705 | 1,352 | 350 | 3 |

Table 7 - 10

Pedalcycle Crashes

| Statewide | Total | Urban | Rural |
|-----------------------------|-------|-------|-------|
| Number of Crashes | 2,003 | 1,866 | 137 |
| Persons Killed | 27 | 18 | 9 |
| Persons Injured | 1,705 | 1,591 | 114 |
| Property Damage Only | 275 | 260 | 15 |

Table 7 - 11

Pedalcycle Crash History

| NUMBER OF PEDALCYCLISTS | | |
|-------------------------|--------------|---------------|
| Year | Total Killed | Total Injured |
| 2000 | 25 | 1915 |
| 2001 | 29 | 1757 |
| 2002 | 15 | 1618 |
| 2003 | 15 | 1617 |
| 2004 | 27 | 1,705 |

In 2004, approximately 41,000 pedalcyclists were injured and 725 were killed in traffic crashes across the country. This represented 1.5% of all injuries and 1.7% of all fatalities from traffic crashes.

Table 7 - 12

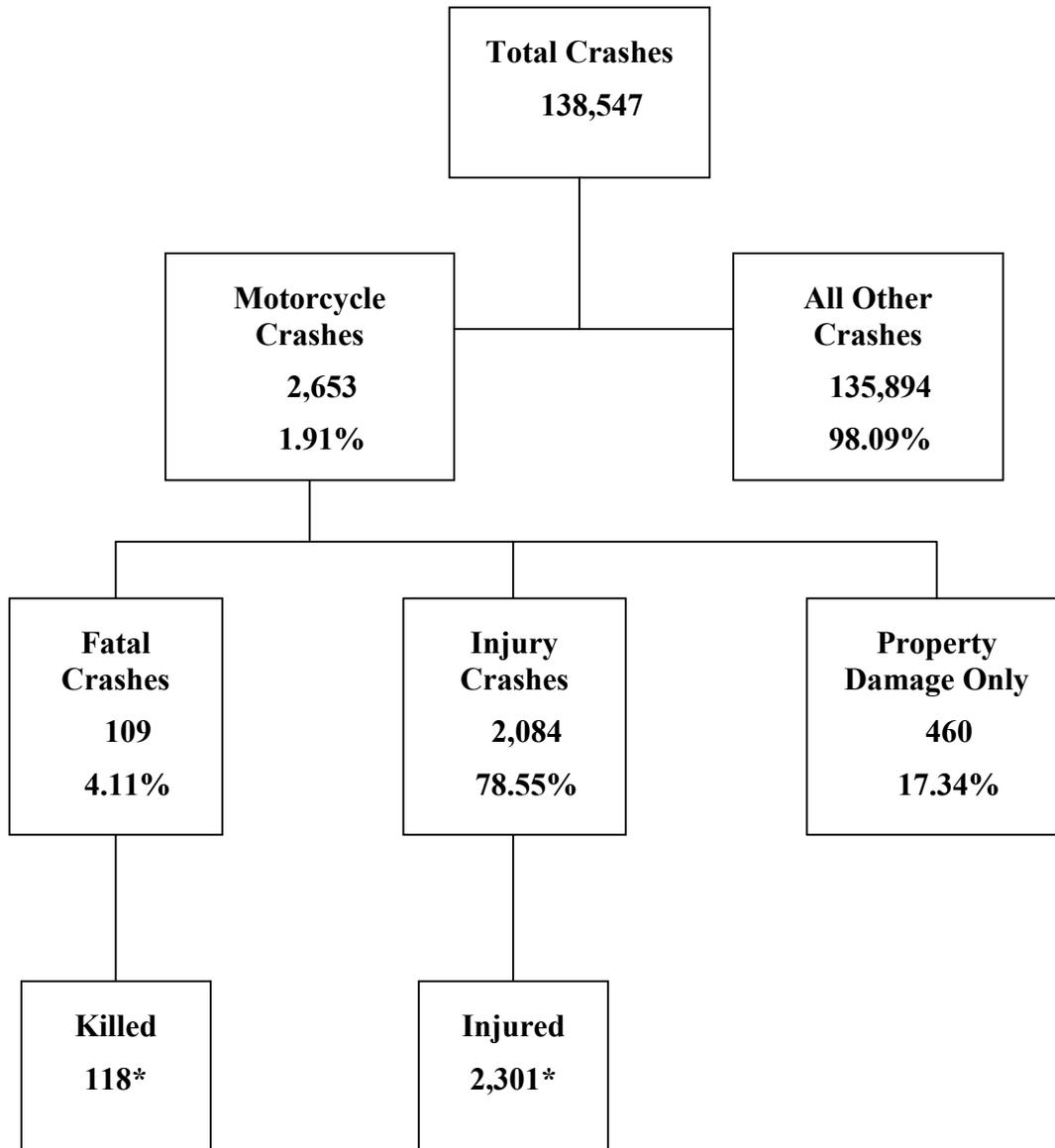
Lighting Conditions - Pedalcyclist Crashes

| Lighting Conditions | Total | Incident Counts | | |
|---------------------|--------------|-----------------|--------------|------------|
| | | Fatal | Injury | PDO |
| Not Reported | 2 | 0 | 2 | 0 |
| Daylight | 1,556 | 14 | 1,321 | 221 |
| Dawn or Dusk | 122 | 4 | 104 | 14 |
| Darkness | 331 | 9 | 281 | 41 |
| TOTAL | 2,011 | 27 | 1,708 | 276 |

Table 7 - 13

Weather Conditions - Pedalcyclist Crashes

| Weather Conditions | Total | Number of Crashes | | |
|--------------------------------|--------------|-------------------|--------------|------------|
| | | Fatal | Injury | PDO |
| Not Reported | 8 | 1 | 7 | 0 |
| Clear | 1,760 | 22 | 1,484 | 254 |
| Cloudy | 203 | 4 | 178 | 21 |
| Sleet/Hail | 1 | 0 | 1 | 0 |
| Rain | 35 | 0 | 34 | 1 |
| Snow | 2 | 0 | 2 | 0 |
| Severe Crosswinds | 1 | 0 | 1 | 0 |
| Blowing Sand, Soil, Dirt, Snow | 0 | 0 | 0 | 0 |
| Fog, Smog, Smoke | 1 | 0 | 1 | 0 |
| TOTAL | 2,011 | 27 | 1,708 | 276 |



*Includes motorcycle drivers and/or passengers only.

Figure 8 - 1

Motorcycle Fatalities by Year

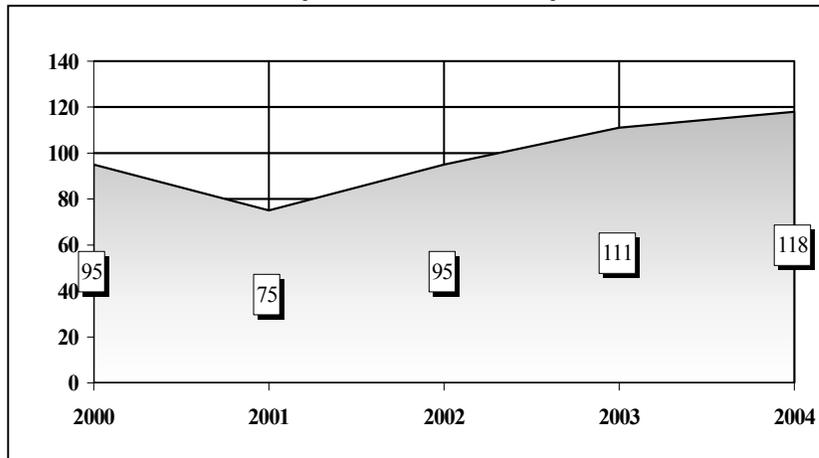
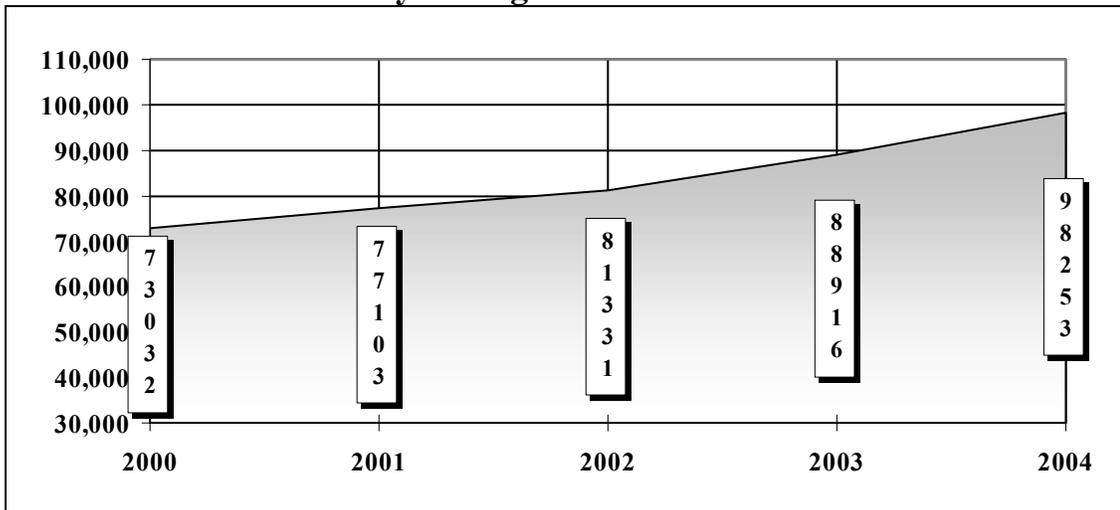


Figure 8 - 2

Motorcycle Registrations in Arizona



2000-2004 Totals include motorcycles only. Prior years included golf carts, ATVs, etc.
 Source: MV988, MV630419 Currently Registered Vehicles By County Listing Dated 6/30/2004.

Figure 8 - 3

Motorcycle Fatality Rate per Registered Motorcycle

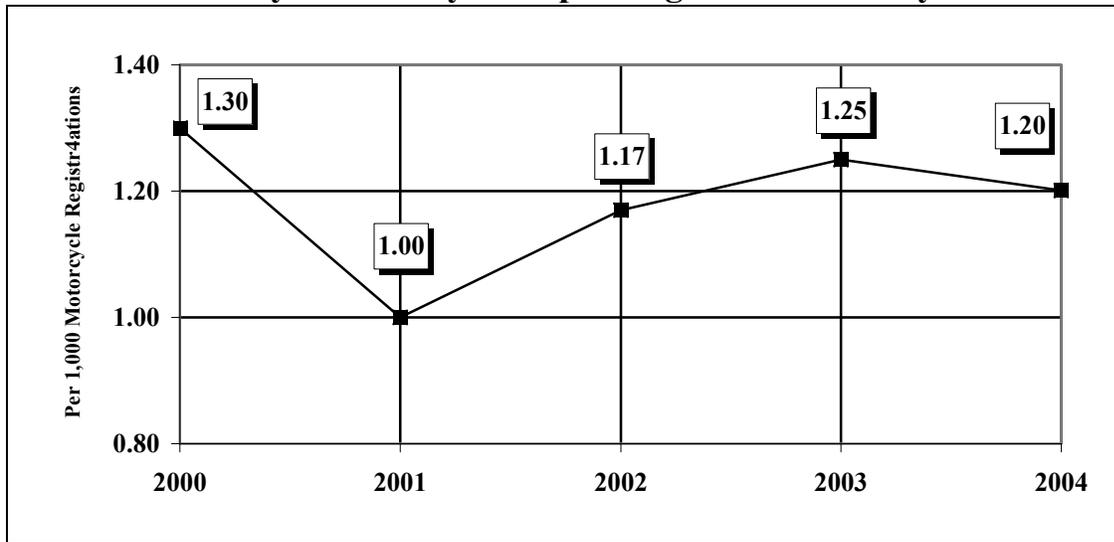


Figure 8 - 4

Percent of Motorcycle Crashes to All Crashes

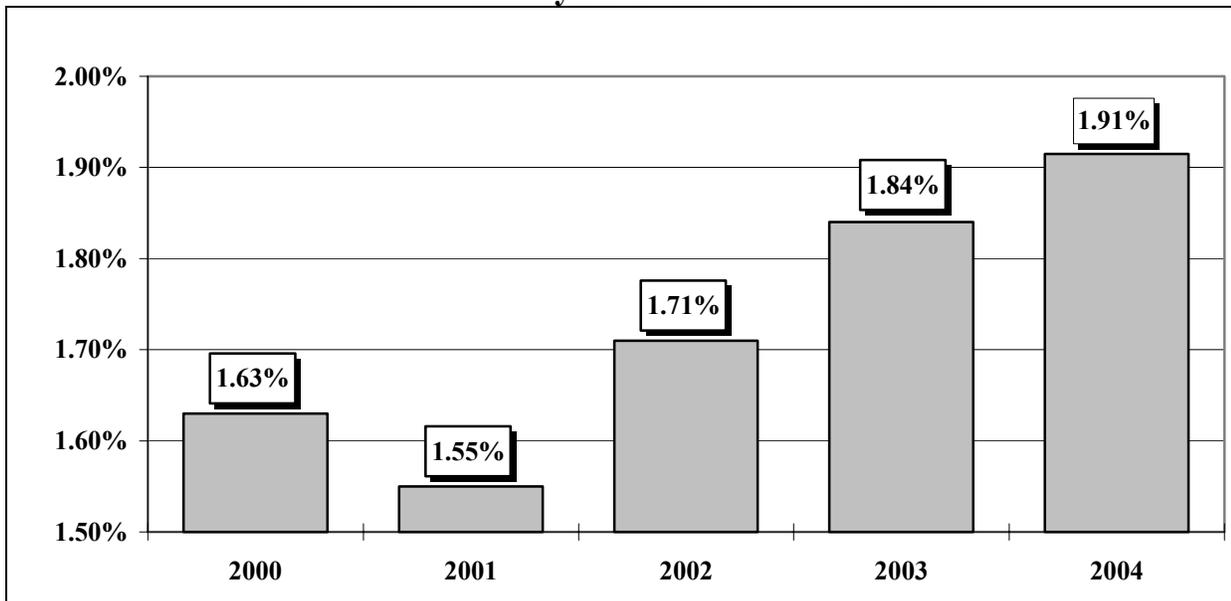


Table 8 - 1

Motorcycle Crashes by Accident Type

| Accident Type | Number of Crashes | | | |
|-------------------------------|-------------------|------------|--------------|------------|
| | TOTAL | FATAL | INJURY | PDO |
| Overturning | 18 | 5 | 11 | 2 |
| Collision with other MV | 1,458 | 61 | 1,063 | 334 |
| Collision with Pedestrian | 11 | 0 | 9 | 2 |
| Collision with Pedalcyclist | 10 | 0 | 8 | 2 |
| Collision with MV other Rdway | 0 | 0 | 0 | 0 |
| Animal | 35 | 2 | 25 | 8 |
| Fixed Object | 299 | 22 | 247 | 30 |
| Object in Roadway | 5 | 0 | 4 | 1 |
| Other | 36 | 5 | 18 | 13 |
| Miscellaneous | 781 | 14 | 699 | 68 |
| Not Reported | 0 | 0 | 0 | 0 |
| Total | 2,653 | 109 | 2,084 | 460 |

Table 8 - 2

Motorcycle Crashes - Lighting Conditions

| Lighting Condition | Number of Crashes | | |
|--------------------|-------------------|------------|--------------|
| | Total | Fatal | Injury |
| Not Reported | 4 | 2 | 2 |
| Daylight | 1,799 | 49 | 1,413 |
| Dawn or Dusk | 176 | 6 | 148 |
| Darkness | 674 | 52 | 521 |
| TOTAL | 2,653 | 109 | 2,084 |

Table 8 - 3

Motorcycle Crashes - Road Conditions

| Road Surface | Number of Crashes | | |
|------------------------------------|-------------------|------------|--------------|
| | Total | Fatal | Injury |
| Not Reported, No Unusual Condition | 51 | 3 | 33 |
| Dry | 2,416 | 103 | 1,904 |
| Wet | 82 | 1 | 64 |
| Sand, Mud, Dirt, Oil or Gravel | 83 | 2 | 63 |
| Snow | 0 | 0 | 0 |
| Slush | 1 | 0 | 1 |
| Ice | 1 | 0 | 1 |
| Other | 9 | 0 | 9 |
| Unknown | 10 | 0 | 9 |
| TOTAL | 2,653 | 109 | 2,084 |

Table 8 - 4

Motorcycle Crashes - Land Use

| Number of Crashes and Percent of Total | | | | | |
|---|--------------|--------------|-------------------------|--------------|-------------------------|
| | Total | Rural | Percent of Total | Urban | Percent of Total |
| Crashes | 2,653 | 722 | 27.21% | 1,931 | 72.79% |
| Fatalities | 118 | 50 | 42.37% | 68 | 57.63% |
| Injuries | 2,301 | 668 | 29.03% | 1,633 | 70.97% |

Table 8 - 5

Operators' Age - Motorcycle Crashes

| Age of Operator | Total | Percent of Total | Number of Operators | | |
|-------------------------|--------------|-------------------------|----------------------------|---------------|------------|
| | | | Fatal | Injury | PDO |
| 15 & Younger | 50 | 1.84% | 4 | 39 | 7 |
| 16 | 28 | 1.03% | 2 | 22 | 4 |
| 17 | 36 | 1.33% | 2 | 25 | 9 |
| 18 | 64 | 2.36% | 4 | 52 | 8 |
| 19 | 69 | 2.54% | 1 | 55 | 13 |
| 20 | 80 | 2.95% | 4 | 65 | 11 |
| 21 | 82 | 3.02% | 4 | 58 | 20 |
| 22 | 92 | 3.39% | 2 | 80 | 10 |
| 23 | 71 | 2.61% | 2 | 60 | 9 |
| 24 | 66 | 2.43% | 1 | 48 | 17 |
| 25-34 | 549 | 20.21% | 23 | 439 | 87 |
| 35-44 | 545 | 20.07% | 18 | 444 | 83 |
| 45-54 | 535 | 19.70% | 28 | 417 | 90 |
| 55-64 | 298 | 10.97% | 17 | 241 | 40 |
| 65-74 | 71 | 2.61% | 4 | 55 | 12 |
| 75 & Older | 14 | 0.52% | 0 | 11 | 3 |
| Not Stated | 66 | 2.43% | 0 | 25 | 41 |
| TOTAL | 2,716 | 100.00% | 116 | 2,136 | 464 |

Table 8 - 6

Alcohol-Related Motorcycle Crashes

| | |
|------------------------------------|-----|
| Total number of impaired operators | 198 |
| Total number of fatal crashes | 27 |
| Total number of injury crashes | 155 |

Table 8 - 7

Motorcycle Operators Involved in Fatal Crashes by License Status

| License Status | 2002 | | 2003 | | 2004 | |
|----------------|---------------------|--------------------------|---------------------|--------------------------|---------------------|--------------------------|
| | Total Fatal Crashes | Percent of Fatal Crashes | Total Fatal Crashes | Percent of Fatal Crashes | Total Fatal Crashes | Percent of Fatal Crashes |
| No license | 5 | 5.21% | 5 | 6.02% | 3 | 2.86% |
| Invalid | 28 | 29.17% | 26 | 31.33% | 19 | 18.10% |
| Valid | 62 | 64.58% | 51 | 61.45% | 81 | 77.14% |
| Unknown | 1 | 1.04% | 1 | 1.20% | 2 | 1.90% |
| TOTALS | 96 | 100.00% | 83 | 100.00% | 105 | 100.00% |

Note: includes only motorcycle operators involved in fatal crashes.

Table 8 - 8

Motorcycle Operator's Helmet Use

| Severity of Injury | Helmet Used | Percent of Total | No Helmet | Percent of Total | Unknown | Percent of Total | Total | Percent of Total |
|---------------------------|-------------|------------------|--------------|------------------|------------|------------------|--------------|------------------|
| Fatal | 40 | 4.05% | 60 | 5.32% | 6 | 1.00% | 106 | 3.90% |
| Incapacitating | 217 | 21.99% | 273 | 24.20% | 94 | 15.64% | 584 | 21.50% |
| No Injury | 161 | 16.31% | 183 | 16.22% | 141 | 23.46% | 485 | 17.86% |
| Non-Incapacitating Injury | 434 | 43.97% | 462 | 40.96% | 217 | 36.11% | 1,113 | 40.98% |
| Not Reported | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| Possible Injury | 130 | 13.17% | 144 | 12.77% | 101 | 16.81% | 375 | 13.81% |
| Unknown | 5 | 0.51% | 6 | 0.53% | 42 | 6.99% | 53 | 1.95% |
| All | 987 | 100.00% | 1,128 | 100.00% | 601 | 100.00% | 2,716 | 100.00% |

Table 8 - 9

Motorcycle Passenger Helmet Use

| Severity of Injury | Helmet Used | Percent of Total | No Helmet | Percent of Total | Unknown | Percent of Total | Total | Percent of Total |
|---------------------------|-------------|------------------|------------|------------------|-----------|------------------|------------|------------------|
| Fatal | 1 | 1.32% | 10 | 6.13% | 1 | 1.85% | 12 | 4.10% |
| Incapacitating | 19 | 25.00% | 37 | 22.70% | 9 | 16.67% | 65 | 22.18% |
| No Injury | 13 | 17.11% | 19 | 11.66% | 18 | 33.33% | 50 | 17.06% |
| Non-Incapacitating Injury | 33 | 43.42% | 72 | 44.17% | 17 | 31.48% | 122 | 41.64% |
| Not Reported | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| Possible Injury | 10 | 13.16% | 24 | 14.72% | 8 | 14.81% | 42 | 14.33% |
| Unknown | 0 | 0.00% | 1 | 0.61% | 1 | 1.85% | 2 | 0.68% |
| All | 76 | 100.00% | 163 | 100.00% | 54 | 100.00% | 293 | 100.00% |

Section 8: – Motorcycle Crashes

Table 8 - 10

Motorcycle Operators and Passengers Killed and Injured

| Age Of Victims | Number Killed | | | Number Injured | | | |
|----------------|---------------|-----------|-----------|----------------|--------------|------------|----------|
| | Total | Male | Female | Total | Male | Female | Unknown |
| 0--4 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 5--9 | 0 | 0 | 0 | 4 | 2 | 2 | 0 |
| 10--14 | 4 | 3 | 1 | 32 | 19 | 13 | 0 |
| 15--19 | 12 | 11 | 1 | 197 | 160 | 35 | 2 |
| 20--24 | 12 | 10 | 2 | 329 | 284 | 45 | 0 |
| 25--34 | 21 | 20 | 1 | 468 | 413 | 55 | 0 |
| 35--44 | 19 | 13 | 6 | 479 | 393 | 86 | 0 |
| 45--54 | 29 | 21 | 8 | 448 | 368 | 80 | 0 |
| 55--64 | 17 | 13 | 4 | 243 | 227 | 16 | 0 |
| 65--74 | 4 | 4 | 0 | 56 | 53 | 3 | 0 |
| 75 & Older | 0 | 0 | 0 | 12 | 11 | 1 | 0 |
| Not Reported | 0 | 0 | 0 | 32 | 22 | 8 | 2 |
| Totals | 118 | 95 | 23 | 2,301 | 1,953 | 344 | 4 |

Table 8 - 11

Motorcycle Operator Errors

| Contributing Circumstances | All Crashes | | Fatal Crashes | | Injury Crashes | | PDO Crashes | |
|------------------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-------------|------------------------|
| | Number of Cases | Percent of Units | Number of Cases | Percent of Units | Number of Cases | Percent of Units | PDO | Percent of PDO Drivers |
| No Improper Driving | 1,138 | 39.05% | 32 | 22.38% | 891 | 38.89% | 215 | 44.79% |
| Speeding* | 752 | 25.81% | 29 | 20.28% | 628 | 27.41% | 95 | 19.79% |
| Exceeded Lawful Speed | 39 | 1.34% | 12 | 8.39% | 25 | 1.09% | 2 | 0.42% |
| Failed to Yield Right-Of-Way | 69 | 2.37% | 3 | 2.10% | 43 | 1.88% | 23 | 4.79% |
| Had Been Drinking | 198 | 6.79% | 27 | 18.88% | 155 | 6.77% | 16 | 3.33% |
| Followed Too Closely | 53 | 1.82% | 0 | 0.00% | 37 | 1.62% | 16 | 3.33% |
| Ran Stop Sign | 9 | 0.31% | 2 | 1.40% | 6 | 0.26% | 1 | 0.21% |
| Disregarded Traffic Signal | 12 | 0.41% | 0 | 0.00% | 12 | 0.52% | 0 | 0.00% |
| Improper Turn | 17 | 0.58% | 0 | 0.00% | 14 | 0.61% | 3 | 0.63% |
| Operated with Faulty Equip | 25 | 0.86% | 2 | 1.40% | 22 | 0.96% | 1 | 0.21% |
| Driver Inattention | 175 | 6.01% | 7 | 4.90% | 139 | 6.07% | 29 | 6.04% |
| Other Improper Driving | 225 | 7.72% | 10 | 6.99% | 177 | 7.73% | 38 | 7.92% |
| Not Reported | 202 | 6.93% | 19 | 13.29% | 142 | 6.20% | 41 | 8.54% |
| TOTAL | 2,914 | 100.0% | 143 | 100.0% | 2,291 | 100.0% | 480 | 100.0% |

* Speeding too fast for conditions

Figure 8 - 5

Motorcycle Crashes by Time of Day

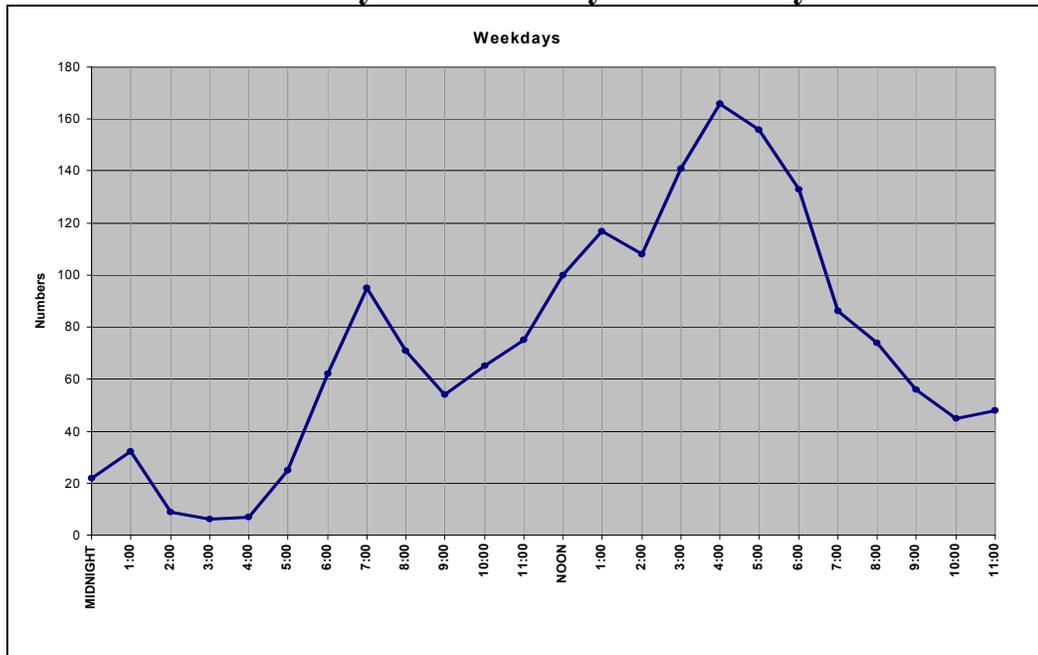


Figure 8 - 6

Motorcycle Crashes by Time of Day

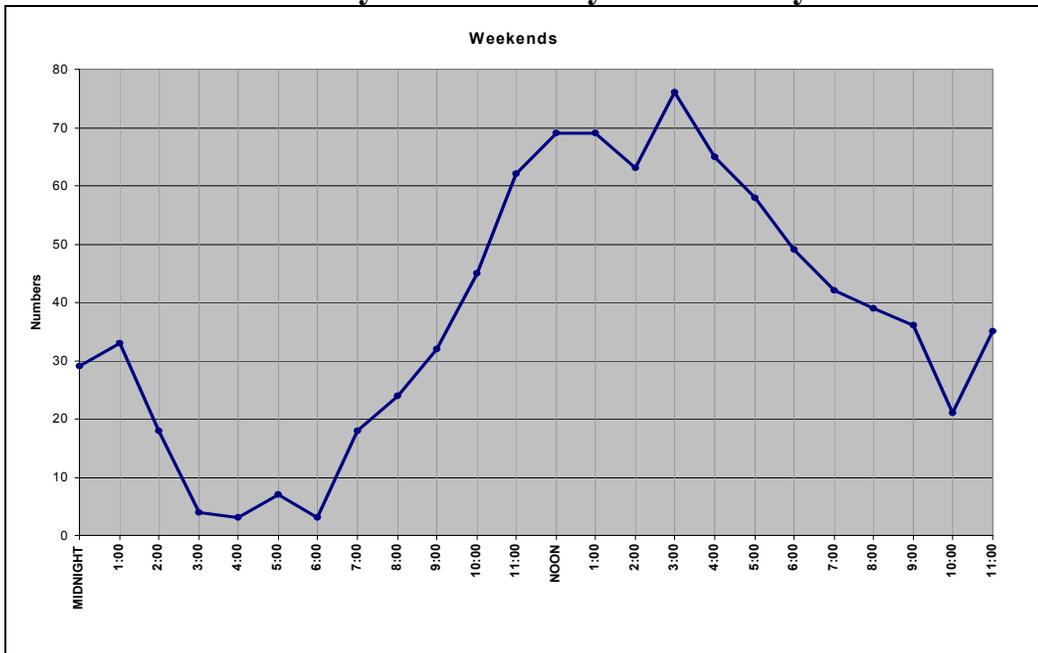
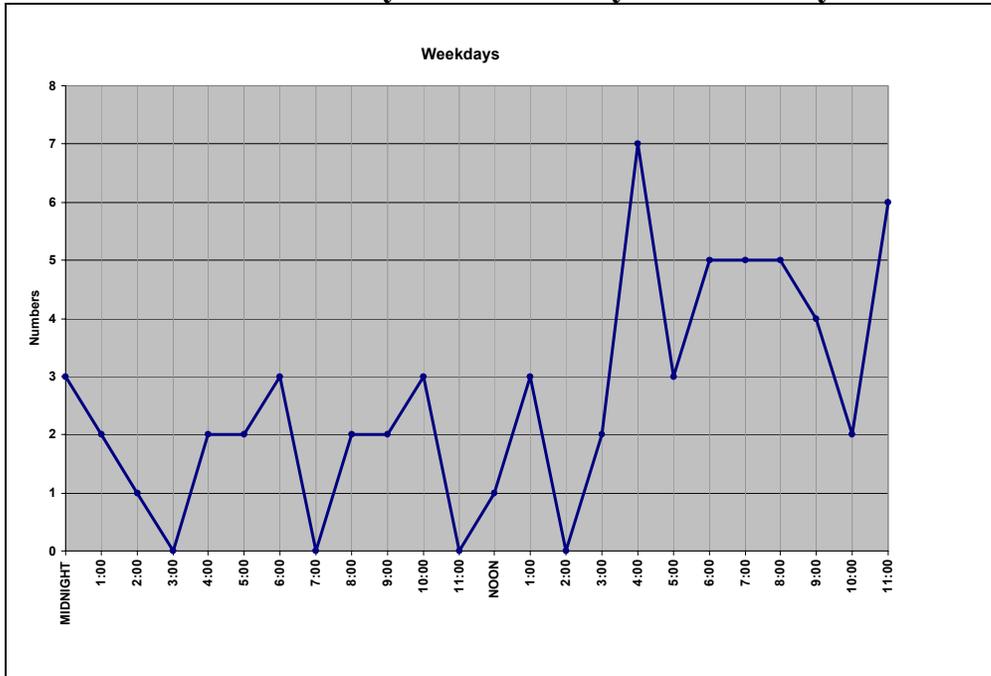


Figure 8 - 7

Fatal Motorcycle Crashes by Time of Day



*Note: includes only motorcycle operators involved in fatal crashes.

Figure 8 - 8

Fatal Motorcycle Crashes by Time of Day

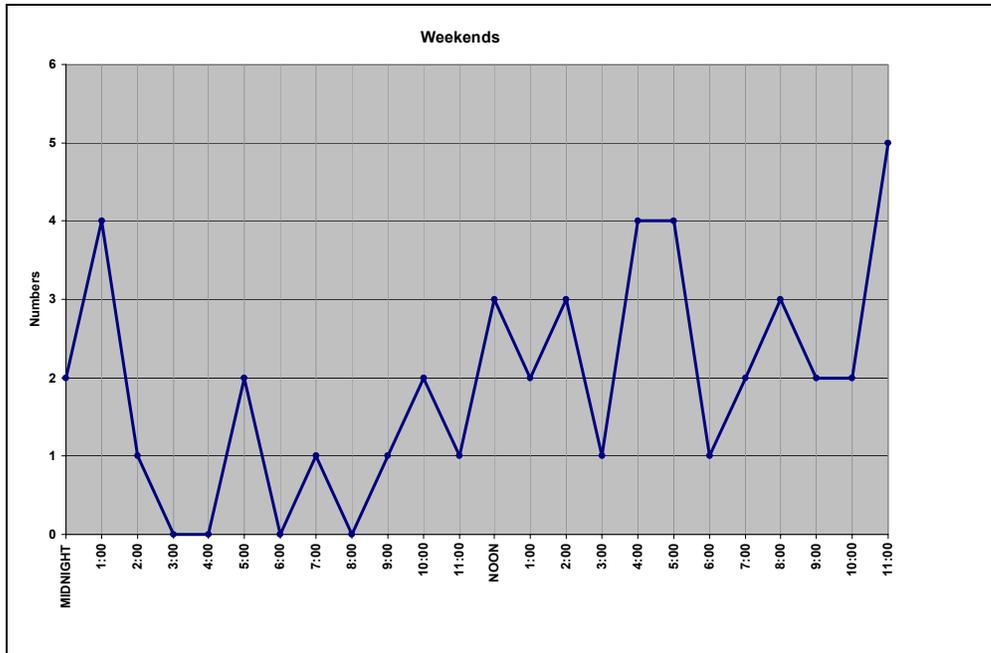
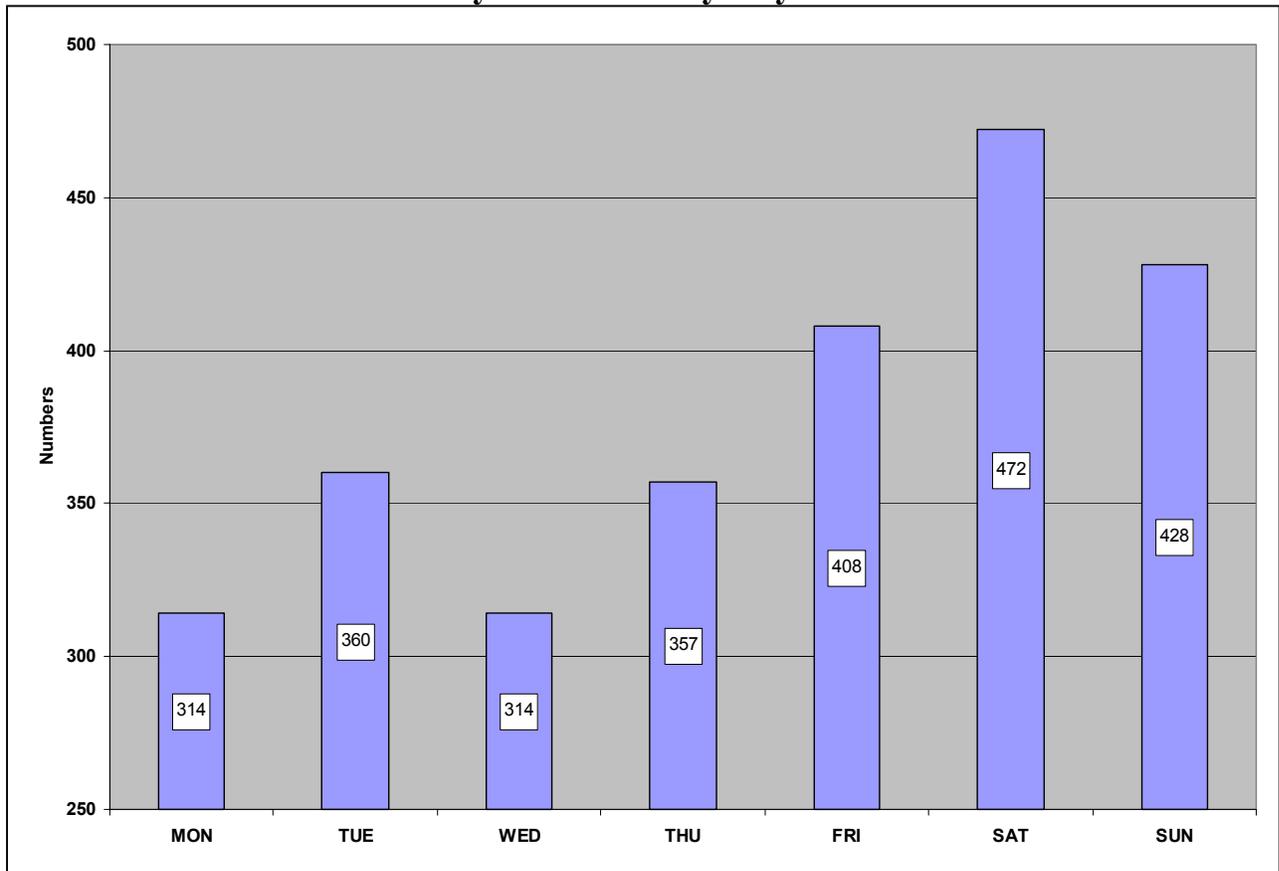


Figure 8 - 9

Motorcycle Crashes by Day of Week

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